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# NASA Technical Memorandum 81860 - 2

## 1979 SOUTHEASTERN VIRGINIA URBAN PLUME STUDY. VOLUME II: DATA LISTINGS FOR NASA CESSNA AIRCRAFT

FOR REFERENCE

NASA-TM-81860-VOL-2  
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## SUMMARY

The 1979 Southeastern Virginia Urban Plume Study (SEV-UPS) conducted during the month of August is an element in the long-term National Aeronautics and Space Administration commitment to develop the necessary technology to exploit the inherent capabilities of Earth satellite systems to monitor the Earth's environment and resources. A number of remote-sensing systems that are under development are being used both on aircraft platforms and from surface sites to develop a basic understanding of those environmental problems associated with the troposphere. The SEV-UPS activity is a tropospheric remote sensor evaluation program.

The 1979 SEV-UPS field program was designed to evaluate an airborne ozone remote sensor, the Laser Absorption Spectrometer, while at the same time providing additional insight into ozone-precursor relationships in an aging urban plume. Four types of experiments were conducted:

1. Remote sensor correlative data experiments designed to evaluate the accuracy, repeatability, and operational characteristics of the remote sensor.
2. Air quality experiments designed to highlight the advantages of remotely sensed O<sub>3</sub> data in the study of urban area ozone problems.
3. Experiments designed to study air quality phenomenon, using in situ data.
4. Experiments designed to verify and evaluate various in situ measurement platforms.

The field program included monitoring from four aircraft platforms, 12 surface stations, two tethered balloon sites, and two radiosonde release sites, and substantial documentation of existing meteorological conditions. The 1979 SEV-UPS data base is being reported in numerous reports.

The present report presents a detailed listing of that data measured onboard the Langley in situ aircraft during the 1979 SEV-UPS field program. Measurement data include ozone, nitrogen oxides, light scattering coefficient, temperature, dewpoint, and aircraft altitude. Data for approximately ten experiments and 40 hours of aircraft flight are presented.

Volume I of the report discusses each of the experiments conducted, meteorological conditions, aircraft instrumentation, and operational scenarios including flight plans of all aircraft. A summary of the Langley in situ aircraft data is also presented in Volume I. Data from the other participating sampling platforms are presented in separate reports.

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## INTRODUCTION

The Southeastern Virginia Urban Plume Study (SEV-UPS) is part of the NASA continuing commitment to develop the technology to utilize remote-sensors and satellite platforms to monitor the Earth's environment and resources. SEV-UPS focuses on the application of specific remote sensors to the monitoring and study of specific air-quality problems. Results from each SEV-UPS measurement program enables NASA to assess the utilization of each sensor to the air-quality problem studied.

The SEV-UPS field measurement program (ref. 1) was conducted in Southeastern Virginia (1977, 1978, and 1979) to evaluate ozone remote sensors for tropospheric applications. The objectives of SEV-UPS are (1) to provide data to assess the accuracy, repeatability, and operational characteristics of ozone remote sensors for tropospheric air-quality measurements, and (2) to demonstrate the utility of these remote sensors in the study of air-quality phenomena. The SEV-UPS program includes not only field measurements to evaluate the sensors, but air-quality modeling and photochemical studies of the Southeastern Virginia area, both of which aid in demonstrating the usefulness of the remote sensor data.

The first phase of SEV-UPS was conducted in 1977 (ref. 2) when airborne and surface in situ measurements were used to characterize the production of ozone downwind of the urban complex for determining the suitability of Southeastern Virginia for the ozone remote sensor studies. These measurements revealed the characteristic ozone diurnal cycle at ground level with ozone concentration in an air parcel nearly doubling as the air parcel moved downwind of the populated areas and was advected over primarily rural agricultural areas. The second phase of SEV-UPS was conducted in the summer of 1978 (refs. 3 and 4) in which a preliminary evaluation of an ozone remote sensor, Laser Absorption Spectrometer (LAS), was performed. Based on the 1978 results, the LAS instrument and SEV-UPS measurement scenario were refined for evaluation of the remote sensor during SEV-UPS 1979.

The 1979 SEV-UPS field program was conducted in August with specific objectives:

- (1) to provide correlative data to evaluate the accuracy, repeatability, and operational characteristics of the Laser Absorption Spectrometer (LAS) ozone remote sensor,
- (2) to evaluate the utility of the LAS for the study of urban ozone problems,
- (3) to provide additional insights into air-quality phenomena occurring in Southeastern Virginia, and
- (4) to compare measurement results of the various in situ (surface, aircraft, and balloon) measurement platforms.

Participating in the program were the Langley Research Center, the Wallops Flight Center, the Jet Propulsion Laboratory, and the Virginia State Air Pollution Control Board (Region VI). Measurement systems included 12 surface pollutant monitoring sites, four aircraft, two tethered balloons, two radio-sonde release sites, and numerous surface meteorological observation sites.



The data from the 1979 measurement program are being reported in several reports. Already published is reference 5 covering the in situ O<sub>3</sub> measurements taken to satisfy objective 1 above and reference 6 covering the data from a second aircraft.

This report, Volume II, presents a detailed listing of the data measured onboard the Langley chartered Cessna aircraft and for those experiments conducted as part of the 1979 SEV-UPS August field program. Data included are ozone, nitrogen oxides, aerosol scattering coefficient, temperature, dew-point temperature, and aircraft altitude. Volume I of the report discusses the design of each experiment and presents an overview of the data. The overview consists of a summary of the results from the Cessna.

#### SYMBOLS AND ABBREVIATIONS

B(SCAT)	-	aerosol scattering coefficient, m <sup>-1</sup>
DP	-	dewpoint temperature, °C
EDT	-	eastern daylight time
LAS	-	laser absorption spectrometer
NASA	-	National Aeronautics and Space Administration
NO	-	nitric oxide, ppb
NOX	-	nitrogen oxides, ppb
O <sub>3</sub>	-	ozone, ppb
PPB	-	parts-per-billion, volume
SEV-UPS	-	Southeastern Virginia Urban Plume Study
T	-	temperature, °C
VOR	-	very high frequency omnidirectional range
Z	-	altitude, m

#### INSTRUMENTATION/DATA REDUCTION/ACCURACY

The instrumentation onboard the Langley in situ aircraft is discussed in volume I of this report. References are given in that volume describing instrumental techniques and procedures.

Data onboard the aircraft are recorded as continuous analog signals on a magnetic tape system. Data processing at a ground-based station consisted of

digitizing the tape records at 10 records/second, averaging these records over a specified time period, and converting these averages to the appropriate engineering units. The aircraft data reported are 10-second averages tabulated at the mid-point of the averaging interval. The effect of the data averaging interval on the resolution of the data is illustrated for ozone in reference 3 for averaging periods of 1 to 90 seconds. For the nominal flight characteristics of the aircraft (200 km/hr and climb rates of 150 m/min), the 10-second averaging interval represents approximately 0.5 km spatial and 25 meters altitude resolution. The accuracy and precision of the aircraft data are shown in table I. Absolute accuracies are based on calibration rather than instrument uncertainties. Ozone and nitrogen oxides data have been corrected for altitude (pressure) effects based on the test results of reference 7. The instruments tested in the program of reference 7 were those flown in the 1979 SEV-UPS field program.

## NASA IN SITU AIRCRAFT DATA LISTING

The tables list that data from the Langley aircraft. Data are tabulated according to the experiment and then in chronological order:

1. Urban Plume experiments-- tables 2 through 25
2. Photochemical Box experiments-- tables 26 through 31
3. Swamp Characterization experiment-- tables 32 through 39
4. Aircraft Comparison experiment-- tables 40 and 41
5. Aircraft-Tethered Balloon Comparison experiment-- tables 42 and 43
6. Aircraft-Surface Site Comparison experiment-- tables 44 through 49

The following comments apply to the nomenclature used in the tables:

1. The title or sub-titles of each table indentify the experiment, date, and flight leg over which the data apply.
2. Flight legs identified with an asterisk (\*) indicate a spiral is included in the data set as well as constant altitude data across the indicated leg. In these cases the letter "S" appears to the left of the time entry, indicating the beginning and end of the spiral data.
3. Flight leg designations for a table such as AB or AB\* imply that the first table entry corresponds to aircraft location A; the last entry, location B; and equal spacing (ground distance) among the data points between the indicated end points. In addition, for flight legs which include spirals, the spiral is assumed to start and end at the same geographical location.
4. Invalid or missing data intervals are represented by a dash (--).

5. In some tables, B(SCAT) entries of zero (0) have been entered to replace small negative values. The small negative values have no significance and serve only to indicate that the measurement is below the detection limit of the nephelometer.

6. Negative altitude entries indicate that the aircraft was flying very near the surface (low pass) and are representative of magnitude of the altitude uncertainties.

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## REFERENCES

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TABLE 1. - NASA INSITU AIRCRAFT INSTRUMENT ACCURACY

Parameter	Technique	Absolute Accuracy	Precision
temperature	resistance	0.5°C	0.1°C
dewpoint	cooled mirror	0.5°C	0.1°C
03	chemiluminescent	10% (5 ppb) <sup>1</sup>	2% (3 ppb) <sup>1</sup>
03	UV absorption	10% (5 ppb) <sup>1</sup>	2% (3 ppb) <sup>1</sup>
NO/NOX	chemiluminescent	10% (5 ppb) <sup>1</sup>	3% (5 ppb) <sup>1</sup>
B(SCAT)	light scattering	10%	2%

<sup>1</sup> Whichever the larger (i.e., 2 percent of reading or 3 ppb)

TABLE 2.- URBAN PLUME EXPERIMENT, AUGUST 24, 1979: LEG AB\*

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.26.50	304	25.4	20.8	47	15	13	7.6E-05
08.27.00	315	25.2	20.8	45	14	13	8.1E-05
08.27.10	321	25.0	20.9	47	15	13	8.0E-05
08.27.20	322	25.0	20.6	46	14	14	7.9E-05
08.27.30	321	25.1	21.1	49	16	14	8.2E-05
08.27.40	319	25.1	21.1	50	15	14	8.1E-05
08.27.50	316	25.2	20.6	49	15	14	7.8E-05
08.28.00	314	25.3	20.0	48	14	16	7.0E-05
08.28.10	314	25.1	20.8	49	14	16	7.2E-05
08.28.20	313	25.1	20.8	50	14	14	7.3E-05
08.28.30	312	25.1	20.9	51	14	15	7.8E-05
08.28.40	312	25.2	20.5	47	15	16	7.5E-05
08.28.50	314	25.3	20.2	49	16	17	7.1E-05
08.29.00	316	25.2	20.2	51	14	16	7.2E-05
08.29.10	320	25.0	20.6	46	13	14	6.9E-05
08.29.20	321	25.0	20.5	45	14	13	6.6E-05
08.29.30	321	24.9	20.2	42	15	13	6.2E-05
08.29.40	317	24.9	20.4	44	14	13	6.6E-05
08.29.50	316	25.0	20.5	45	15	14	6.7E-05
08.30.00	312	25.1	20.3	44	15	16	6.5E-05
08.30.10	306	25.0	20.3	44	15	16	6.6E-05
08.30.20	297	25.1	20.3	44	14	16	6.2E-05
08.30.30	292	25.2	20.4	45	14	15	6.5E-05
08.30.40	287	25.5	20.3	45	16	16	6.2E-05
08.30.50	286	25.4	20.8	49	15	14	6.8E-05
08.31.00	286	25.3	20.8	47	13	14	8.3E-05
08.31.10	285	25.4	21.2	48	14	15	8.7E-05
08.31.20	286	25.3	20.2	47	13	14	8.4E-05
08.31.30	288	25.3	20.8	47	14	15	8.6E-05
08.31.40	290	25.1	20.5	46	14	13	7.6E-05
08.31.50	290	25.0	21.4	50	15	15	8.5E-05
08.32.00	292	25.0	20.9	47	14	15	7.9E-05
08.32.10	297	25.0	20.9	44	15	15	7.3E-05
08.32.20	301	25.0	21.0	46	14	15	7.7E-05
08.32.30	306	24.9	21.4	49	15	15	8.8E-05
08.32.40	309	24.8	21.3	49	15	14	8.9E-05
08.32.50	310	25.0	20.8	46	15	14	7.9E-05
08.33.00	310	25.0	20.8	46	16	14	8.0E-05
08.33.10	309	25.0	20.8	47	17	14	7.5E-05
08.33.20	306	25.1	20.8	47	16	16	7.4E-05
08.33.30	306	24.9	21.2	49	16	16	8.9E-05
08.33.40	304	24.9	21.1	47	17	16	8.0E-05

TABLE 2.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.33.50	302	24.8	21.6	53	15	16	8.7E-05
08.34.00	302	24.8	21.6	49	15	16	8.9E-05
08.34.10	303	24.9	21.1	50	15	18	7.9E-05
08.34.20	304	24.9	21.0	51	15	18	7.9E-05
08.34.30	307	24.8	21.4	44	16	16	8.1E-05
08.34.40	307	24.9	21.1	52	16	15	7.9E-05
08.34.50	308	24.9	21.3	52	13	15	8.0E-05
08.35.00	312	24.9	20.9	49	13	15	7.6E-05
08.35.10	316	24.9	20.4	46	16	15	7.2E-05
08.35.20	316	25.0	20.5	47	16	14	7.2E-05
08.35.30	317	24.8	21.1	47	14	14	7.6E-05
08.35.40	317	24.7	21.4	55	13	14	8.4E-05
08.35.50	317	25.0	20.8	47	14	15	8.6E-05
08.36.00	319	25.0	21.0	51	15	16	8.2E-05
08.36.10	319	24.9	21.2	48	15	15	8.7E-05
08.36.20	317	25.0	20.8	51	13	15	8.7E-05
08.36.30	316	25.2	20.2	52	14	15	7.9E-05
08.36.40	313	25.2	20.4	50	15	15	8.2E-05
08.36.50	308	25.2	20.9	50	14	15	8.5E-05
08.37.00	304	25.2	21.1	51	12	15	8.9E-05
08.37.10	303	25.1	21.3	49	14	15	9.2E-05
08.37.20	299	25.1	21.2	49	16	15	9.2E-05
08.37.30	295	25.1	21.5	48	15	15	9.3E-05
08.37.40	293	25.1	21.8	50	14	13	9.5E-05
08.37.50	292	25.0	22.0	52	16	14	9.4E-05
08.38.00	291	25.0	22.0	55	15	14	9.8E-05
08.38.10	290	25.0	22.1	53	16	14	9.7E-05
08.38.20	288	25.0	22.2	54	16	13	9.5E-05
08.38.30	287	24.9	21.8	53	16	12	9.8E-05
08.38.40	286	24.9	21.3	50	15	13	9.5E-05
08.38.50	284	25.1	20.6	51	15	15	8.4E-05
08.39.00	282	25.2	20.5	46	15	15	8.0E-05
08.39.10	281	25.3	21.1	53	14	15	8.7E-05
08.39.20	282	25.2	21.6	52	15	16	9.8E-05
08.39.30	285	25.2	21.6	56	16	15	1.0E-04
08.39.40	286	25.2	21.5	49	16	15	1.0E-04
08.39.50	284	25.2	21.4	50	16	16	1.0E-04
08.40.00	283	25.2	21.1	49	17	16	1.0E-04
08.40.10	283	25.2	20.6	49	15	16	8.7E-05
08.40.20	284	25.3	21.0	52	14	14	9.2E-05
08.40.30	282	25.3	21.0	52	16	14	9.5E-05
08.40.40	279	25.3	20.7	52	16	14	8.6E-05

TABLE 2.- Continued

	TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
	08.40.50	279	25.4	20.9	49	15	13	9.1E-05
	08.41.00	279	25.4	21.0	49	14	14	9.8E-05
	08.41.10	279	25.3	21.2	51	14	16	1.0E-04
	08.41.20	282	25.3	21.1	47	16	16	1.0E-04
	08.41.30	284	25.3	21.0	49	16	16	1.0E-04
	08.41.40	285	25.3	21.0	49	15	15	9.9E-05
	08.41.50	285	25.2	21.2	47	15	14	9.8E-05
	08.42.00	288	25.2	21.6	56	15	14	9.6E-05
	08.42.10	294	25.1	21.6	49	14	14	9.3E-05
	08.42.20	299	25.0	21.8	51	15	14	9.6E-05
	08.42.30	301	24.9	21.7	54	14	15	1.0E-04
	08.42.40	299	24.9	21.6	52	14	14	1.0E-04
S	08.42.50	285	24.9	22.1	50	14	14	1.0E-04
	08.43.00	269	24.8	22.2	53	14	13	1.0E-04
	08.43.10	238	24.9	22.5	52	14	14	1.1E-04
	08.43.20	216	25.1	22.7	59	13	15	1.2E-04
	08.43.30	195	25.2	22.4	62	13	16	1.2E-04
	08.43.40	170	25.4	22.3	61	15	17	1.2E-04
	08.43.50	150	25.6	22.3	55	14	17	1.3E-04
	08.44.00	133	25.2	21.6	61	16	16	1.3E-04
	08.44.10	127	25.4	21.6	57	14	15	1.3E-04
	08.44.20	127	25.2	21.3	61	13	16	1.3E-04
	08.44.30	135	25.1	21.3	56	15	17	1.3E-04
	08.44.40	141	25.4	21.3	61	15	16	1.2E-04
	08.44.50	146	25.4	21.7	62	15	18	1.2E-04
	08.45.00	168	25.1	22.0	64	14	16	1.2E-04
	08.45.10	189	24.9	22.2	62	14	16	1.2E-04
	08.45.20	201	24.8	22.3	62	14	16	1.2E-04
	08.45.30	213	24.7	22.4	56	14	16	1.2E-04
	08.45.40	224	24.7	22.4	56	14	15	1.2E-04
	08.45.50	237	24.6	22.3	57	14	15	1.2E-04
	08.46.00	263	24.5	22.4	55	16	15	1.1E-04
	08.46.10	287	24.5	22.0	56	15	14	1.0E-04
	08.46.20	306	24.5	21.1	51	15	15	9.4E-05
	08.46.30	332	24.5	20.9	47	15	14	9.2E-05
	08.46.40	363	24.3	20.6	51	15	14	8.9E-05
	08.46.50	382	24.4	19.9	47	14	13	8.4E-05
	08.47.00	409	24.3	19.8	48	13	13	8.9E-05
	08.47.10	444	24.0	19.9	51	13	12	9.6E-05
	08.47.20	473	23.8	19.7	60	14	11	1.0E-04
	08.47.30	496	23.7	19.6	66	14	11	1.1E-04
	08.47.40	523	23.4	19.5	63	15	12	1.1E-04



TABLE 2.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.47.50	554	23.1	19.5	63	15	13	1.2E-04
08.48.00	584	23.0	18.7	66	13	13	1.1E-04
08.48.10	610	23.0	19.1	73	14	13	1.0E-04
08.48.20	635	22.9	18.9	71	15	13	1.3E-04
08.48.30	659	22.7	18.8	74	13	13	1.3E-04
08.48.40	677	22.6	18.7	67	14	13	1.3E-04
08.48.50	705	22.4	18.7	73	14	12	1.2E-04
08.49.00	733	22.1	18.7	72	13	14	1.2E-04
08.49.10	750	22.0	18.7	69	13	14	1.1E-04
08.49.20	769	21.8	18.7	69	13	14	1.2E-04
08.49.30	794	21.7	18.6	71	14	14	1.2E-04
08.49.40	821	21.4	18.5	65	13	13	1.1E-04
08.49.50	852	21.3	18.1	69	14	13	1.1E-04
08.50.00	884	21.1	17.8	70	14	15	1.2E-04
08.50.10	905	20.9	17.7	69	14	15	1.1E-04
08.50.20	924	20.8	17.5	71	14	13	1.1E-04
08.50.30	954	20.6	17.1	69	14	15	1.1E-04
08.50.40	979	20.5	16.9	72	13	16	1.1E-04
08.50.50	993	20.3	16.8	71	13	15	1.1E-04
08.51.00	1013	20.3	16.7	66	15	13	1.1E-04
08.51.10	1032	20.2	16.6	70	13	13	1.0E-04
08.51.20	1052	20.1	16.4	70	13	14	1.0E-04
08.51.30	1076	19.9	16.3	69	13	14	9.2E-05
08.51.40	1107	19.8	15.4	68	13	13	8.8E-05
08.51.50	1119	19.8	15.5	69	11	13	7.8E-05
08.52.00	1139	19.8	15.8	64	13	13	7.7E-05
08.52.10	1175	19.4	15.6	68	12	13	8.9E-05
08.52.20	1199	19.6	13.9	71	14	12	6.7E-05
08.52.30	1234	19.5	14.3	73	14	14	8.1E-05
08.52.40	1256	19.4	13.9	76	13	13	9.8E-05
08.52.50	1273	19.5	13.6	80	15	12	1.1E-04
08.53.00	1289	19.6	12.7	77	14	12	9.8E-05
08.53.10	1319	19.4	12.7	77	12	13	9.6E-05
08.53.20	1339	19.2	12.8	77	12	15	9.5E-05
08.53.30	1365	19.0	12.8	79	12	15	9.5E-05
08.53.40	1394	18.8	12.1	78	13	14	8.5E-05
08.53.50	1429	18.6	11.7	75	12	14	7.7E-05
08.54.00	1458	18.4	12.0	74	14	15	8.2E-05
08.54.10	1474	18.3	11.8	72	13	15	8.8E-05
08.54.20	1491	18.2	11.1	74	13	15	7.8E-05
08.54.30	1515	18.1	10.8	72	14	15	7.4E-05
08.54.40	1541	17.9	11.1	75	13	15	8.1E-05

TABLE 2.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.54.50	1570	17.6	11.8	75	14	14	8.3E-05
08.55.00	1590	17.4	11.5	72	14	14	8.6E-05
08.55.10	1618	17.3	10.4	72	14	14	7.7E-05
08.55.20	1625	17.3	10.2	67	13	14	7.1E-05
08.55.30	1629	17.3	9.9	67	13	14	6.3E-05
08.55.40	1627	17.3	10.1	70	11	14	6.6E-05
08.55.50	1636	17.4	9.6	68	13	14	6.2E-05
08.56.00	1636	17.5	9.6	70	12	14	5.9E-05
08.56.10	1609	17.8	9.3	70	11	14	6.2E-05
08.56.20	1566	18.4	9.6	69	15	14	6.3E-05
08.56.30	1548	18.4	10.6	69	14	13	7.0E-05
08.56.40	1515	18.5	10.8	71	13	13	7.3E-05
08.56.50	1492	18.9	10.8	75	14	13	6.8E-05
08.57.00	1467	19.0	11.2	72	13	13	7.5E-05
08.57.10	1455	19.1	11.7	72	13	13	7.9E-05
08.57.20	1440	19.1	11.9	70	14	13	8.2E-05
08.57.30	1409	19.3	11.7	73	16	14	7.7E-05
08.57.40	1385	19.5	11.6	73	14	15	7.3E-05
08.57.50	1356	19.7	12.4	73	13	15	8.5E-05
08.58.00	1324	19.6	13.4	77	15	14	1.0E-04
08.58.10	1291	19.6	14.2	76	13	12	9.9E-05
08.58.20	1259	19.7	13.7	75	13	13	6.8E-05
08.58.30	1225	19.8	15.1	70	13	13	7.4E-05
08.58.40	1192	19.9	15.7	71	13	14	9.3E-05
08.58.50	1157	20.1	15.7	70	12	14	8.4E-05
08.59.00	1130	20.3	15.5	71	11	14	7.4E-05
08.59.10	1101	20.6	15.7	66	12	13	8.3E-05
08.59.20	1072	20.7	16.4	66	13	13	9.4E-05
08.59.30	1044	20.8	16.6	70	11	14	1.0E-04
08.59.40	1017	21.0	16.6	68	11	14	1.0E-04
08.59.50	999	21.0	16.7	70	14	13	1.1E-04
09.00.00	966	21.1	17.4	72	13	14	1.1E-04
09.00.10	939	21.2	17.7	74	12	14	1.2E-04
09.00.20	918	21.4	17.8	70	13	15	1.2E-04
09.00.30	903	21.5	17.8	70	13	15	1.2E-04
09.00.40	881	21.6	18.2	72	12	15	1.2E-04
09.00.50	852	21.9	18.5	70	13	14	1.2E-04
09.01.00	830	22.1	18.6	72	13	14	1.1E-04
09.01.10	806	22.3	18.1	73	14	13	1.1E-04
09.01.20	757	22.7	18.3	74	14	12	1.3E-04
09.01.30	738	22.8	18.5	77	15	14	1.4E-04
09.01.40	723	22.8	18.4	81	14	15	1.4E-04

TABLE 2.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.01.50	714	22.8	18.5	77	14	15	1.4E-04
09.02.00	706	22.7	18.8	77	12	15	1.4E-04
09.02.10	689	22.9	18.8	78	12	16	1.3E-04
09.02.20	650	23.4	18.7	73	14	17	1.0E-04
09.02.30	628	23.5	18.8	75	13	15	9.9E-05
09.02.40	602	23.8	18.5	73	13	13	9.9E-05
09.02.50	573	23.9	19.0	71	14	12	1.1E-04
09.03.00	541	24.1	19.4	72	13	13	1.2E-04
09.03.10	506	24.4	19.6	70	13	13	1.2E-04
09.03.20	501	24.3	19.6	68	15	13	1.1E-04
09.03.30	479	24.5	19.8	67	13	13	1.1E-04
09.03.40	430	24.8	19.6	54	13	13	9.0E-05
09.03.50	417	24.8	19.6	48	14	11	8.3E-05
09.04.00	413	24.9	19.6	48	13	11	8.4E-05
09.04.10	384	25.2	19.4	52	13	11	8.1E-05
09.04.20	361	25.1	20.4	50	12	12	8.7E-05
09.04.30	336	25.0	21.6	50	13	13	9.7E-05
S 09.04.40	321	24.9	21.7	53	14	14	9.6E-05
09.04.50	301	25.1	21.4	52	14	14	9.8E-05
09.05.00	299	25.0	21.3	54	14	13	9.9E-05
09.05.10	297	25.0	21.4	50	16	13	1.0E-04
09.05.20	300	24.9	21.4	50	15	14	9.6E-05
09.05.30	304	24.8	21.3	52	13	14	9.4E-05
09.05.40	311	24.7	21.3	50	13	13	9.5E-05
09.05.50	319	24.6	21.2	54	13	12	9.2E-05
09.06.00	325	24.7	20.9	52	14	13	9.1E-05
09.06.10	321	24.7	21.3	51	13	14	9.3E-05
09.06.20	308	24.8	21.2	52	14	14	9.6E-05
09.06.30	304	24.8	21.3	49	13	14	9.3E-05
09.06.40	302	24.7	21.8	50	13	13	9.9E-05
09.06.50	305	24.6	21.8	57	14	12	1.0E-04
09.07.00	309	24.5	22.1	58	12	12	1.0E-04
09.07.10	306	24.5	22.2	55	14	13	1.0E-04
09.07.20	304	24.6	22.0	53	13	13	1.0E-04
09.07.30	301	24.7	21.9	57	13	13	1.0E-04
09.07.40	299	24.7	21.8	53	13	14	1.0E-04
09.07.50	298	24.8	21.4	53	15	14	9.9E-05
09.08.00	299	24.9	21.3	50	14	14	9.7E-05
09.08.10	299	25.0	21.2	54	12	13	9.8E-05
09.08.20	297	25.1	21.0	53	13	13	9.6E-05
09.08.30	293	25.2	20.8	50	14	13	9.6E-05
09.08.40	293	25.3	20.7	52	14	13	9.3E-05

TABLE 2.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.08.50	294	25.3	20.8	50	13	12	9.5E-05
09.09.00	294	25.2	21.0	50	12	12	9.7E-05
09.09.10	294	25.2	21.0	49	13	13	9.7E-05
09.09.20	292	25.2	20.9	50	12	13	9.5E-05
09.09.30	291	25.2	20.8	54	12	13	9.7E-05
09.09.40	291	25.4	20.8	57	14	13	1.1E-04
09.09.50	293	25.3	21.0	60	14	12	1.0E-04
09.10.00	293	25.3	21.1	56	13	12	1.1E-04
09.10.10	293	25.3	21.0	62	13	14	1.1E-04
09.10.20	294	25.2	21.1	57	13	14	1.0E-04
09.10.30	294	25.0	21.4	52	13	15	1.0E-04
09.10.40	294	24.9	21.7	57	13	15	1.2E-04
09.10.50	293	24.9	21.6	56	14	14	1.1E-04
09.11.00	293	25.0	21.4	54	14	15	1.0E-04
09.11.10	294	25.0	21.6	58	13	14	1.2E-04
09.11.20	301	24.9	21.7	65	14	14	1.3E-04
09.11.30	309	24.8	21.2	68	14	14	1.4E-04
09.11.40	313	24.8	21.1	72	14	15	1.4E-04
09.11.50	314	24.9	20.7	72	15	14	1.5E-04
09.12.00	317	24.9	20.1	75	15	14	1.5E-04
09.12.10	319	25.1	19.2	74	14	15	1.3E-04
09.12.20	322	25.0	19.5	75	13	14	1.3E-04
09.12.30	323	25.1	19.7	71	12	15	1.2E-04
09.12.40	325	25.2	19.1	68	13	14	1.0E-04
09.12.50	324	25.3	18.5	67	13	14	9.8E-05
09.13.00	326	25.2	19.2	73	14	13	1.0E-04
09.13.10	325	25.4	18.8	78	12	13	1.0E-04
09.13.20	319	25.4	19.5	72	13	13	9.8E-05

TABLE 3.- URBAN PLUME EXPERIMENT, AUGUST 24, 1979: LEG FE\*

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.28.10	327	24.8	20.3	66	12	15	1.1E-04
09.28.20	332	24.7	20.2	66	12	14	1.1E-04
09.28.30	322	24.8	20.4	69	12	15	1.2E-04
09.28.40	316	24.8	20.5	67	11	14	1.2E-04
09.28.50	325	24.8	20.3	65	10	13	1.2E-04
09.29.00	328	24.7	20.3	63	10	14	1.2E-04
09.29.10	324	24.7	20.7	64	10	14	1.3E-04
09.29.20	317	24.8	20.8	58	11	14	1.4E-04
09.29.30	312	24.8	21.7	63	12	14	1.4E-04
09.29.40	309	24.8	21.6	60	12	14	1.3E-04
09.29.50	308	24.8	21.9	60	13	14	1.4E-04
09.30.00	306	24.8	21.8	63	13	13	1.3E-04
09.30.10	300	25.0	21.7	64	12	14	1.4E-04
09.30.20	297	25.1	21.8	64	12	14	1.4E-04
09.30.30	296	25.0	21.8	68	12	14	1.4E-04
09.30.40	296	24.9	21.8	61	14	16	1.4E-04
09.30.50	297	24.9	21.8	60	14	15	1.4E-04
09.31.00	293	24.9	21.5	63	12	14	1.5E-04
09.31.10	289	24.9	21.6	61	10	14	1.4E-04
09.31.20	289	25.0	21.6	64	12	13	1.4E-04
09.31.30	289	24.9	21.6	60	13	14	1.4E-04
09.31.40	292	24.9	21.7	63	13	16	1.5E-04
09.31.50	290	24.9	21.8	64	12	15	1.4E-04
09.32.00	290	24.9	21.8	63	11	15	1.5E-04
09.32.10	290	24.9	22.0	62	12	13	1.4E-04
09.32.20	290	24.9	22.3	58	12	14	1.4E-04
09.32.30	289	24.9	22.1	59	13	15	1.4E-04
09.32.40	287	25.0	22.2	61	11	15	1.4E-04
09.32.50	286	24.9	22.3	59	12	14	1.3E-04
09.33.00	286	24.9	22.2	59	14	14	1.4E-04
09.33.10	288	24.8	22.2	64	13	14	1.4E-04
09.33.20	292	24.8	22.3	57	11	14	1.4E-04
09.33.30	291	24.7	22.2	62	11	14	1.4E-04
09.33.40	290	24.8	22.2	60	11	13	1.3E-04
09.33.50	290	24.7	22.3	59	12	13	1.4E-04
09.34.00	290	24.7	22.2	63	12	14	1.5E-04
09.34.10	292	24.8	22.3	58	13	13	1.4E-04
09.34.20	295	24.9	22.5	57	12	13	1.2E-04
09.34.30	298	24.9	22.3	57	12	14	1.3E-04
09.34.40	301	24.9	22.4	59	13	15	1.3E-04
09.34.50	301	24.9	22.5	55	14	15	1.2E-04
09.35.00	301	24.9	22.5	57	13	14	1.2E-04

TABLE 3.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.35.10	301	24.9	22.5	56	11	14	1.2E-04
09.35.20	301	24.9	22.3	52	10	15	1.1E-04
09.35.30	302	24.9	22.3	54	11	15	1.1E-04
09.35.40	304	25.0	22.4	51	12	15	1.1E-04
09.35.50	303	25.0	22.3	55	13	15	1.1E-04
09.36.00	302	25.0	22.2	49	13	15	1.1E-04
09.36.10	300	25.1	22.3	55	11	14	1.1E-04
09.36.20	298	25.1	22.3	54	13	12	1.1E-04
09.36.30	297	25.1	22.3	51	12	13	1.2E-04
09.36.40	295	25.1	21.9	55	11	13	1.2E-04
09.36.50	295	25.2	22.0	56	11	14	1.2E-04
09.37.00	293	25.3	22.1	56	12	14	1.2E-04
09.37.10	292	25.4	22.0	56	12	13	1.1E-04
09.37.20	288	25.4	22.1	52	10	12	1.2E-04
09.37.30	286	25.3	21.9	54	9	13	1.1E-04
09.37.40	287	25.0	21.6	50	11	13	9.8E-05
09.37.50	293	25.0	21.6	52	9	13	9.5E-05
09.38.00	295	24.7	21.9	57	10	15	1.1E-04
09.38.10	299	24.6	21.8	59	12	13	1.1E-04
09.38.20	299	24.6	21.9	56	12	12	1.1E-04
09.38.30	299	24.6	21.9	62	13	13	1.1E-04
09.38.40	302	24.7	21.8	56	14	12	1.0E-04
09.38.50	306	24.8	21.6	52	12	13	9.8E-05
09.39.00	305	24.8	21.6	55	12	13	9.6E-05
09.39.10	305	24.9	21.6	53	11	13	9.7E-05
09.39.20	306	24.8	21.6	53	12	12	9.7E-05
09.39.30	310	24.9	21.5	51	13	13	9.7E-05
09.39.40	311	24.9	21.3	55	11	11	1.0E-04
09.39.50	310	24.9	21.3	51	12	12	1.0E-04
09.40.00	300	25.0	21.6	52	13	13	1.0E-04
S 09.40.10	274	25.2	21.6	53	14	14	9.2E-05
09.40.20	248	25.1	21.8	49	13	13	9.9E-05
09.40.30	216	25.3	22.0	59	12	12	1.1E-04
09.40.40	187	25.5	22.2	58	14	12	1.1E-04
09.40.50	163	25.5	22.3	58	14	13	1.2E-04
09.41.00	145	25.5	22.3	55	14	15	1.3E-04
09.41.10	128	25.5	22.3	57	14	17	1.4E-04
09.41.20	131	25.4	22.4	54	15	19	1.4E-04
09.41.30	122	25.4	22.3	57	15	20	1.4E-04
09.41.40	119	25.2	22.2	55	13	20	1.5E-04
09.41.50	124	25.1	22.2	54	13	21	1.5E-04
09.42.00	131	24.9	22.2	57	15	23	1.5E-04

TABLE 3.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.42.10	137	24.8	22.0	58	13	22	1.5E-04
09.42.20	144	24.9	22.2	56	14	21	1.5E-04
09.42.30	163	24.9	22.0	56	14	23	1.5E-04
09.42.40	205	24.8	22.1	58	15	23	1.3E-04
09.42.50	237	24.8	22.0	57	15	20	1.0E-04
09.43.00	273	24.6	21.7	56	15	19	9.2E-05
09.43.10	308	24.5	21.6	54	14	18	9.3E-05
09.43.20	336	24.3	21.5	53	11	17	9.6E-05
09.43.30	368	24.2	21.6	51	10	13	9.8E-05
09.43.40	399	24.0	21.7	54	10	12	1.0E-04
09.43.50	417	23.9	21.7	50	10	11	1.1E-04
09.44.00	432	23.8	21.4	53	11	12	1.2E-04
09.44.10	456	23.7	21.3	57	12	14	1.3E-04
09.44.20	480	23.6	21.1	64	11	15	1.4E-04
09.44.30	502	23.4	21.2	60	10	14	1.4E-04
09.44.40	534	23.1	21.1	65	11	13	1.3E-04
09.44.50	568	23.0	20.8	59	12	12	1.2E-04
09.45.00	604	22.7	20.6	62	13	12	1.3E-04
09.45.10	634	22.4	20.3	63	12	13	1.3E-04
09.45.20	667	22.2	19.8	58	12	14	1.1E-04
09.45.30	701	22.0	19.1	57	13	14	1.0E-04
09.45.40	732	21.7	19.6	58	10	13	1.2E-04
09.45.50	744	21.7	19.7	71	11	14	1.3E-04
09.46.00	755	21.6	19.7	76	12	14	1.3E-04
09.46.10	777	21.5	19.4	67	9	13	1.3E-04
09.46.20	806	21.4	19.2	64	9	13	1.3E-04
09.46.30	840	21.1	18.9	67	12	13	1.2E-04
09.46.40	865	20.9	18.9	69	12	12	1.1E-04
09.46.50	889	20.6	18.9	65	12	12	1.2E-04
09.47.00	913	20.4	18.9	67	12	12	1.3E-04
09.47.10	935	20.3	18.7	67	11	12	1.3E-04
09.47.20	962	20.1	18.7	67	11	12	1.3E-04
09.47.30	992	19.8	18.6	72	11	11	1.3E-04
09.47.40	1019	19.6	18.5	69	10	11	1.3E-04
09.47.50	1056	19.2	18.4	68	11	13	1.2E-04
09.48.00	1058	19.2	18.3	73	14	12	1.2E-04
09.48.10	1080	19.1	18.4	70	11	12	1.1E-04
09.48.20	1113	18.7	18.2	72	11	10	1.1E-04
09.48.30	1118	18.7	18.2	73	11	11	1.1E-04
09.48.40	1144	18.5	17.5	72	11	12	1.1E-04
09.48.50	1180	18.3	17.1	71	11	13	1.2E-04
09.49.00	1192	18.3	16.8	69	13	13	1.2E-04

TABLE 3.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.49.10	1202	18.3	17.0	68	12	14	1.1E-04
09.49.20	1219	18.1	16.6	72	10	13	1.1E-04
09.49.30	1264	17.8	16.4	72	10	10	1.2E-04
09.49.40	1295	17.5	14.4	75	10	8	1.1E-04
09.49.50	1309	17.6	14.3	76	9	10	1.0E-04
09.50.00	1315	17.6	14.8	75	10	11	1.1E-04
09.50.10	1339	17.5	14.8	75	11	13	1.0E-04
09.50.20	1374	17.5	13.1	78	10	11	9.7E-05
09.50.30	1407	17.3	12.5	79	9	10	9.9E-05
09.50.40	1425	17.3	11.7	80	10	9	9.7E-05
09.50.50	1447	17.4	13.2	85	9	10	1.1E-04
09.51.00	1469	17.2	12.6	81	10	10	1.1E-04
09.51.10	1501	17.0	12.1	76	10	11	1.1E-04
09.51.20	1533	16.7	13.7	76	11	13	1.0E-04
09.51.30	1571	16.5	14.3	73	10	13	9.7E-05
09.51.40	1602	16.2	13.6	68	10	12	1.0E-04
09.51.50	1624	16.1	13.7	71	11	13	9.8E-05
09.52.00	1636	16.2	12.7	72	12	12	8.9E-05
09.52.10	1635	16.3	13.0	68	11	12	9.1E-05
09.52.20	1624	16.6	13.7	66	12	12	9.0E-05
09.52.30	1631	16.6	13.9	69	12	11	9.0E-05
09.52.40	1644	16.4	13.6	70	12	13	9.3E-05
09.52.50	1635	16.6	13.4	71	11	11	9.0E-05
09.53.00	1603	17.0	13.7	70	13	12	8.8E-05
09.53.10	1569	17.2	14.3	68	13	15	9.3E-05
09.53.20	1551	17.4	14.5	66	13	15	9.4E-05
09.53.30	1549	17.3	14.4	69	12	13	9.5E-05
09.53.40	1524	17.5	14.5	68	11	12	9.7E-05
09.53.50	1495	17.7	14.4	73	12	11	1.0E-04
09.54.00	1469	18.0	14.2	71	11	11	1.0E-04
09.54.10	1440	18.4	14.1	73	11	10	9.9E-05
09.54.20	1409	18.6	13.9	78	12	10	1.0E-04
09.54.30	1382	18.7	13.8	83	10	11	1.2E-04
09.54.40	1367	18.7	13.5	86	11	11	1.1E-04
09.54.50	1312	19.2	13.9	78	11	11	1.0E-04
09.55.00	1273	19.6	14.1	82	9	11	9.8E-05
09.55.10	1255	19.5	14.4	79	10	11	8.9E-05
09.55.20	1214	19.7	15.6	74	12	12	1.0E-04
09.55.30	1188	19.8	16.1	75	10	11	1.0E-04
09.55.40	1174	19.5	17.5	72	11	12	1.2E-04
09.55.50	1157	19.4	17.6	71	11	12	1.2E-04
09.56.00	1126	19.8	17.6	70	12	13	1.2E-04



TABLE 3.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.56.10	1083	20.2	17.9	69	11	13	1.2E-04
09.56.20	1060	20.4	18.0	70	10	13	1.1E-04
09.56.30	1039	20.5	17.9	74	12	13	1.2E-04
09.56.40	986	21.1	18.3	74	11	12	1.2E-04
09.56.50	955	21.4	18.3	76	11	14	1.2E-04
09.57.00	903	21.9	18.6	69	10	12	1.2E-04
09.57.10	889	22.0	18.7	69	11	14	1.3E-04
09.57.20	862	22.3	18.8	70	11	13	1.3E-04
09.57.30	836	22.4	18.9	68	12	12	1.4E-04
09.57.40	819	22.5	18.9	64	10	13	1.4E-04
09.57.50	788	22.7	18.6	68	9	12	1.2E-04
09.58.00	762	23.0	18.9	68	11	11	1.2E-04
09.58.10	729	23.2	19.1	67	10	10	1.3E-04
09.58.20	698	23.5	19.4	68	12	12	1.3E-04
09.58.30	671	23.6	19.2	69	11	12	1.3E-04
09.58.40	633	23.9	18.8	64	11	13	9.5E-05
09.58.50	600	23.9	19.5	57	12	14	9.9E-05
09.59.00	566	24.0	20.5	58	13	13	1.1E-04
09.59.10	536	24.1	20.7	57	12	13	1.1E-04
09.59.20	502	24.3	21.2	59	11	12	1.0E-04
09.59.30	483	24.4	21.3	55	13	11	1.2E-04
09.59.40	472	24.4	21.2	62	12	11	1.4E-04
09.59.50	436	24.7	21.3	62	12	11	1.3E-04
10.00.00	408	25.0	21.3	64	12	12	1.4E-04
10.00.10	381	25.3	21.3	63	11	12	1.5E-04
10.00.20	349	25.5	21.4	64	12	12	1.2E-04
10.00.30	332	25.6	21.6	55	10	12	1.0E-04
S 10.00.40	331	25.3	21.5	52	9	11	1.0E-04
10.00.50	323	25.2	21.4	56	11	13	1.0E-04
10.01.00	309	25.2	21.4	58	11	12	1.0E-04
10.01.10	306	25.2	21.4	58	11	12	1.0E-04
10.01.20	318	24.8	21.4	54	11	11	1.1E-04
10.01.30	312	25.0	21.4	58	11	12	1.0E-04
10.01.40	315	25.0	21.3	58	12	12	1.0E-04
10.01.50	312	25.0	21.4	57	12	12	1.1E-04
10.02.00	301	25.3	21.4	52	11	13	1.1E-04
10.02.10	293	25.4	21.4	54	9	12	1.1E-04
10.02.20	296	25.4	21.4	56	11	11	1.1E-04
10.02.30	301	25.3	21.4	55	10	13	1.0E-04
10.02.40	303	25.1	21.4	58	11	14	1.0E-04
10.02.50	305	25.1	21.2	55	11	14	1.0E-04
10.03.00	306	25.1	21.1	56	12	15	1.0E-04

TABLE 3.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.03.10	304	25.1	21.1	54	10	14	1.0E-04
10.03.20	302	25.1	21.2	54	10	15	1.0E-04
10.03.30	301	25.2	21.1	51	11	14	1.0E-04
10.03.40	299	25.2	20.9	58	11	13	1.1E-04
10.03.50	301	25.3	21.3	56	13	14	1.1E-04
10.04.00	299	25.1	21.4	57	13	14	1.1E-04
10.04.10	297	25.0	21.2	60	12	12	1.1E-04
10.04.20	297	25.0	21.4	52	11	12	1.1E-04
10.04.30	299	25.3	21.0	55	10	12	1.0E-04
10.04.40	297	25.1	21.4	57	10	12	1.1E-04
10.04.50	297	24.8	21.7	57	11	13	1.2E-04
10.05.00	297	24.9	21.6	59	10	14	1.2E-04
10.05.10	298	24.6	21.9	55	11	15	1.2E-04
10.05.20	299	24.6	21.8	57	12	14	1.2E-04
10.05.30	308	24.4	21.8	62	12	14	1.2E-04
10.05.40	316	24.5	21.5	61	11	16	1.2E-04
10.05.50	321	24.6	21.4	57	12	17	1.1E-04
10.06.00	325	24.7	21.1	59	12	17	1.1E-04
10.06.10	331	24.9	20.9	58	12	15	1.0E-04
10.06.20	332	24.9	20.8	57	12	13	1.0E-04
10.06.30	329	24.7	21.2	59	11	14	1.0E-04
10.06.40	327	24.9	21.2	60	12	14	1.0E-04
10.06.50	321	24.7	21.5	59	11	13	1.2E-04
10.07.00	321	24.5	22.0	57	11	13	1.2E-04
10.07.10	319	24.7	21.4	56	10	14	1.1E-04
10.07.20	318	24.8	21.5	59	10	15	1.2E-04
10.07.30	316	24.8	21.2	58	13	17	1.2E-04
10.07.40	316	24.8	21.5	57	10	16	1.2E-04
10.07.50	307	24.8	21.3	58	12	17	2.4E-04
10.08.00	312	24.7	21.8	46	18	22	2.5E-04
10.08.10	320	24.5	22.0	53	16	29	1.6E-04
10.08.20	320	24.6	21.6	47	19	30	1.3E-04
10.08.30	323	24.5	21.7	52	15	30	1.2E-04
10.08.40	323	24.4	21.8	58	13	25	1.2E-04
10.08.50	323	24.4	21.8	57	13	20	1.2E-04
10.09.00	328	24.4	21.7	56	11	19	1.1E-04
10.09.10	332	24.4	21.9	55	10	18	1.2E-04
10.09.20	332	24.4	21.7	51	11	18	1.1E-04
10.09.30	328	24.5	21.8	56	12	18	1.2E-04
10.09.40	327	24.5	21.7	53	13	19	1.1E-04
10.09.50	330	24.5	22.0	54	11	17	1.2E-04

TABLE 4.- URBAN PLUME EXPERIMENT, AUGUST 24, 1979: LEG CD<sup>1</sup>

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.17.10	288	24.7	22.5	50	12	11	1.2E-04
10.17.20	281	24.9	22.1	48	14	12	1.1E-04
10.17.30	290	24.7	22.4	50	13	12	1.2E-04
10.17.40	306	24.6	22.1	51	11	14	1.2E-04
10.17.50	315	24.5	22.2	51	12	16	1.1E-04
10.18.00	320	24.3	22.3	54	12	16	1.1E-04
10.18.10	316	24.3	22.1	49	13	15	1.0E-04
10.18.20	316	24.4	22.0	53	12	14	1.0E-04
10.18.30	316	24.4	22.1	50	11	14	1.0E-04
10.18.40	314	24.5	22.0	49	11	15	1.0E-04
10.18.50	312	24.4	22.0	48	11	17	1.0E-04
10.19.00	309	24.5	22.3	51	12	15	1.0E-04
10.19.10	307	24.7	21.8	51	12	15	9.2E-05
10.19.20	308	24.7	21.9	51	10	15	9.9E-05
10.19.30	306	24.6	22.2	54	11	13	9.8E-05
10.19.40	304	24.8	21.7	51	12	15	1.0E-04
10.19.50	301	24.7	22.1	56	11	15	1.0E-04
10.20.00	304	24.8	21.8	54	12	14	1.0E-04
10.20.10	303	24.8	21.8	52	12	14	1.0E-04
10.20.20	304	24.6	22.0	55	12	14	1.0E-04
10.20.30	305	24.7	22.0	52	12	14	1.1E-04
10.20.40	305	24.7	22.0	52	11	14	1.1E-04
10.20.50	304	24.9	21.6	54	12	14	1.0E-04
10.21.00	299	25.0	21.3	54	9	13	9.7E-05
10.21.10	298	25.1	21.2	53	8	13	9.1E-05
10.21.20	297	25.1	21.1	53	11	12	8.4E-05
10.21.30	298	25.5	20.3	47	12	12	7.8E-05
10.21.40	303	25.6	20.3	49	12	13	8.0E-05
10.21.50	306	25.5	20.4	50	11	13	7.4E-05
10.22.00	306	25.5	20.2	46	11	12	6.5E-05
10.22.10	304	25.5	20.4	47	11	11	7.2E-05
10.22.20	304	25.5	19.3	47	13	11	6.3E-05
10.22.30	301	25.5	19.0	49	10	11	5.4E-05
10.22.40	301	25.4	19.8	45	12	10	6.0E-05
10.22.50	300	25.2	19.9	48	12	8	6.5E-05
10.23.00	301	25.0	20.9	48	12	10	7.6E-05
10.23.10	302	25.0	21.1	50	11	11	7.8E-05
10.23.20	303	24.9	21.1	50	10	13	7.7E-05
10.23.30	304	24.8	21.3	51	12	13	8.2E-05
10.23.40	305	24.7	21.8	50	12	13	1.0E-04
10.23.50	306	24.6	22.2	59	11	12	1.3E-04
10.24.00	304	24.6	22.0	55	11	10	1.2E-04

<sup>1</sup> point D is at the intersection of leg CD (fig. 2) and the coastline

TABLE 4.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.24.10	302	24.5	22.0	57	11	12	1.1E-04
10.24.20	299	24.6	22.0	54	11	12	1.0E-04
10.24.30	300	24.7	22.1	59	11	13	1.3E-04
10.24.40	289	24.8	21.8	54	12	16	1.7E-04
10.24.50	287	25.0	21.6	57	12	18	1.0E-04
10.25.00	287	25.1	21.5	57	11	18	1.0E-04
10.25.10	288	25.1	20.9	57	11	19	9.4E-05
10.25.20	289	25.2	21.6	52	11	18	1.1E-04
10.25.30	297	25.0	21.7	46	13	19	1.1E-04
10.25.40	294	25.4	21.5	52	14	19	9.8E-05
10.25.50	299	25.4	21.8	56	13	20	9.7E-05
10.26.00	303	25.4	21.5	53	14	22	1.0E-04
10.26.10	305	25.2	21.4	62	14	21	1.0E-04
10.26.20	302	25.4	21.2	57	13	20	1.0E-04
10.26.30	304	25.3	21.3	62	13	22	1.1E-04
10.26.40	304	25.3	21.3	59	14	22	1.1E-04
10.26.50	311	25.2	21.4	59	12	22	1.1E-04
10.27.00	312	25.3	21.2	56	14	25	1.1E-04
10.27.10	315	25.2	21.6	55	14	27	1.4E-04
10.27.20	312	25.1	21.4	55	18	31	1.4E-04
10.27.30	306	25.2	21.2	56	16	33	1.2E-04
10.27.40	304	25.2	21.3	56	15	32	1.3E-04
10.27.50	304	25.2	21.3	57	15	30	1.4E-04
10.28.00	298	25.1	21.6	55	15	30	1.7E-04
10.28.10	298	25.1	21.6	53	15	31	1.6E-04
10.28.20	294	25.2	21.7	52	17	32	1.4E-04
10.28.30	290	25.3	21.6	48	16	31	1.4E-04
10.28.40	287	25.2	21.4	53	15	31	1.2E-04
10.28.50	296	25.2	21.5	46	17	29	1.1E-04
10.29.00	308	25.0	21.8	45	15	27	1.1E-04
10.29.10	314	24.8	22.0	41	17	29	1.2E-04
10.29.20	316	24.9	21.4	45	17	31	1.1E-04
10.29.30	314	24.8	21.5	49	15	31	1.2E-04
10.29.40	312	24.8	21.6	47	18	31	1.1E-04
10.29.50	314	24.8	22.0	54	15	30	1.0E-04
10.30.00	316	24.8	22.0	53	13	26	1.1E-04
10.30.10	322	24.8	22.0	56	14	24	1.0E-04
10.30.20	324	24.8	21.6	53	12	23	1.0E-04
10.30.30	333	24.5	22.4	55	12	19	1.1E-04
10.30.40	336	24.5	22.2	54	12	19	1.1E-04
10.30.50	339	24.5	21.9	52	12	16	1.1E-04
10.31.00	333	24.6	21.9	58	11	16	1.0E-04

TABLE 4.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.31.10	338	24.6	22.7	55	11	17	1.1E-04
10.31.20	332	24.7	22.0	59	14	17	1.1E-04
10.31.30	332	24.7	22.8	56	11	15	1.1E-04
10.31.40	328	24.7	21.8	55	13	15	1.0E-04
10.31.50	320	25.0	21.8	53	11	16	1.0E-04
10.32.00	314	24.8	22.6	55	12	15	1.2E-04
10.32.10	310	25.1	22.1	58	13	16	1.2E-04
10.32.20	312	25.0	22.5	60	13	16	1.3E-04
10.32.30	310	25.0	22.2	59	13	17	1.1E-04
10.32.40	305	25.0	22.5	62	11	17	1.1E-04
10.32.50	308	25.0	22.8	54	13	16	1.2E-04
10.33.00	303	25.0	22.0	57	12	16	1.1E-04
10.33.10	301	25.3	20.8	51	12	14	1.1E-04
10.33.20	308	25.1	20.6	56	11	13	1.1E-04

TABLE 5.- URBAN PLUME EXPERIMENT, AUGUST 24, 1979: LEG FE\* (SECOND TRAVERSE)

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.40.10	307	24.5	20.3	78	10	14	1.3E-04
10.40.20	302	24.5	20.3	80	10	13	1.3E-04
10.40.30	304	24.5	20.3	79	10	13	1.3E-04
10.40.40	308	24.4	20.3	78	12	12	1.3E-04
10.40.50	308	24.4	20.3	73	10	11	1.3E-04
10.41.00	310	24.3	20.3	74	12	11	1.4E-04
10.41.10	318	24.2	20.5	72	11	10	1.4E-04
10.41.20	323	24.1	20.8	73	10	11	1.4E-04
10.41.30	319	24.2	20.9	68	11	10	1.3E-04
10.41.40	310	24.2	22.0	69	11	9	1.4E-04
10.41.50	305	24.3	22.1	64	10	9	1.5E-04
10.42.00	304	24.3	22.1	66	9	10	1.4E-04
10.42.10	302	24.4	22.0	64	11	11	1.5E-04
10.42.20	302	24.5	22.1	66	12	10	1.4E-04
10.42.30	302	24.4	21.9	61	12	10	1.4E-04
10.42.40	306	24.5	21.9	65	10	11	1.5E-04
10.42.50	308	24.5	22.1	65	11	13	1.4E-04
10.43.00	309	24.4	22.0	61	10	12	1.4E-04
10.43.10	315	24.5	22.2	62	9	10	1.5E-04
10.43.20	313	24.5	22.1	62	10	10	1.4E-04
10.43.30	307	24.6	22.1	60	9	10	1.3E-04
10.43.40	302	24.7	22.0	65	9	13	1.4E-04
10.43.50	298	24.8	22.0	63	9	13	1.4E-04
10.44.00	291	25.0	22.1	62	12	13	1.4E-04
10.44.10	290	25.0	22.0	61	12	12	1.4E-04
10.44.20	291	25.0	21.9	63	10	13	1.4E-04
10.44.30	292	25.0	22.0	60	13	14	1.4E-04
10.44.40	294	25.0	22.0	65	12	13	1.4E-04
10.44.50	294	25.0	22.0	63	13	13	1.4E-04
10.45.00	293	25.0	21.9	62	10	15	1.4E-04
10.45.10	291	25.1	21.9	64	11	15	1.4E-04
10.45.20	291	25.0	21.9	62	9	14	1.4E-04
10.45.30	295	25.0	21.9	66	11	12	1.4E-04
10.45.40	299	25.0	21.9	65	11	12	1.4E-04
10.45.50	299	25.0	21.9	65	8	13	1.4E-04
10.46.00	297	25.1	22.0	66	9	13	1.5E-04
10.46.10	295	25.1	21.9	70	11	13	1.4E-04
10.46.20	293	25.1	21.9	68	12	12	1.4E-04
10.46.30	292	25.0	22.0	71	14	12	1.4E-04
10.46.40	290	25.0	22.0	69	12	11	1.3E-04
10.46.50	288	25.2	21.8	70	10	11	1.3E-04
10.47.00	288	25.2	21.7	68	9	11	1.3E-04

TABLE 5.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.47.10	286	25.1	21.9	68	10	12	1.3E-04
10.47.20	285	25.1	21.9	69	11	12	1.3E-04
10.47.30	286	25.0	22.1	73	11	12	1.3E-04
10.47.40	284	24.9	22.2	68	10	15	1.3E-04
10.47.50	282	24.9	22.2	71	12	16	1.3E-04
10.48.00	282	25.0	21.9	74	10	16	1.3E-04
10.48.10	284	24.9	22.0	68	12	16	1.2E-04
10.48.20	282	25.0	21.9	65	11	16	1.3E-04
10.48.30	279	24.9	22.1	66	12	15	1.2E-04
10.48.40	277	24.8	22.1	62	12	16	1.2E-04
10.48.50	276	24.9	22.0	69	11	17	1.2E-04
10.49.00	275	24.8	22.0	72	13	17	1.2E-04
10.49.10	270	24.8	22.0	73	12	18	1.3E-04
10.49.20	267	24.9	21.8	74	12	20	1.3E-04
10.49.30	268	25.0	21.7	77	11	22	1.2E-04
10.49.40	270	25.0	21.8	72	13	23	1.2E-04
10.49.50	271	25.0	21.7	74	10	23	1.2E-04
10.50.00	271	25.0	21.7	76	9	22	1.2E-04
10.50.10	270	25.0	21.6	73	10	22	1.2E-04
10.50.20	273	24.9	21.6	75	12	23	1.1E-04
10.50.30	274	24.8	21.7	72	11	22	1.2E-04
10.50.40	277	24.9	21.7	75	11	22	1.1E-04
10.50.50	283	24.9	21.4	71	12	22	1.0E-04
10.51.00	290	24.7	21.6	65	10	20	1.0E-04
10.51.10	295	24.8	21.2	70	14	21	9.0E-05
10.51.20	299	24.8	21.4	63	12	20	9.1E-05
10.51.30	304	24.8	21.3	61	14	17	9.1E-05
10.51.40	303	24.6	21.2	57	11	16	8.8E-05
10.51.50	308	24.6	21.3	63	12	15	9.2E-05
10.52.00	312	24.6	21.3	62	9	15	8.8E-05
10.52.10	316	24.7	20.7	57	9	15	7.8E-05
10.52.20	318	24.7	20.9	50	10	14	7.6E-05
10.52.30	321	24.8	21.1	52	11	16	7.7E-05
S 10.52.40	314	24.8	20.9	49	13	14	7.5E-05
10.52.50	286	25.0	20.8	49	12	14	7.2E-05
10.53.00	260	25.3	21.1	55	10	12	7.5E-05
10.53.10	232	25.5	21.3	55	11	11	7.3E-05
10.53.20	209	25.4	21.6	52	11	11	7.6E-05
10.53.30	177	25.6	22.0	54	11	13	8.7E-05
10.53.40	152	25.8	22.1	61	11	14	1.0E-04
10.53.50	135	25.9	22.3	66	9	13	1.1E-04
10.54.00	133	25.8	22.3	62	9	14	1.0E-04

TABLE 5.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.54.10	130	25.7	22.3	53	12	17	1.1E-04
10.54.20	128	25.7	22.4	63	13	18	1.0E-04
10.54.30	128	25.7	22.4	59	12	17	1.0E-04
10.54.40	139	25.6	22.3	59	11	17	9.0E-05
10.54.50	150	25.5	22.3	58	10	16	9.3E-05
10.55.00	168	25.5	22.2	58	12	16	1.0E-04
10.55.10	188	25.4	22.0	64	13	17	1.0E-04
10.55.20	216	25.2	21.9	69	10	15	1.0E-04
10.55.30	251	24.8	21.7	66	10	17	9.6E-05
10.55.40	251	24.9	21.4	58	10	16	9.3E-05
10.55.50	278	24.9	21.1	59	9	15	8.1E-05
10.56.00	323	24.7	21.1	56	8	13	8.3E-05
10.56.10	357	24.4	21.3	51	10	13	8.8E-05
10.56.20	378	24.3	20.8	53	12	13	9.3E-05
10.56.30	404	24.3	20.2	53	11	13	8.7E-05
10.56.40	431	24.1	19.6	54	12	12	9.3E-05
10.56.50	447	24.1	20.0	63	12	11	1.1E-04
10.57.00	483	23.8	19.8	70	12	11	1.2E-04
10.57.10	508	23.7	19.6	70	10	11	1.2E-04
10.57.20	538	23.5	19.8	72	9	11	1.2E-04
10.57.30	576	23.1	19.8	68	11	12	1.2E-04
10.57.40	608	22.7	19.7	66	11	10	1.1E-04
10.57.50	626	22.6	19.5	68	11	9	1.1E-04
10.58.00	645	22.4	19.5	70	9	9	1.1E-04
10.58.10	657	22.4	19.3	65	10	10	1.0E-04
10.58.20	680	22.3	19.2	64	10	10	1.0E-04
10.58.30	709	22.1	19.4	70	10	9	1.1E-04
10.58.40	742	21.8	19.3	66	11	11	1.2E-04
10.58.50	776	21.5	18.9	62	9	12	1.3E-04
10.59.00	804	21.4	18.7	68	10	12	1.3E-04
10.59.10	822	21.4	18.4	72	11	12	1.3E-04
10.59.20	858	21.1	18.3	71	10	11	1.2E-04
10.59.30	872	21.1	18.3	71	10	11	1.2E-04
10.59.40	876	21.1	18.3	69	11	11	1.2E-04
10.59.50	892	21.1	18.3	72	11	11	1.2E-04
11.00.00	923	20.9	18.2	75	10	12	1.2E-04
11.00.10	970	20.4	18.0	71	10	11	1.2E-04
11.00.20	1002	20.1	17.9	73	9	11	1.2E-04
11.00.30	1025	20.0	17.8	69	8	11	1.1E-04
11.00.40	1056	19.8	17.7	71	9	11	1.1E-04
11.00.50	1085	19.6	17.5	70	11	12	1.1E-04
11.01.00	1111	19.4	17.4	67	10	11	1.1E-04



TABLE 5.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.01.10	1162	19.0	16.8	73	10	11	1.1E-04
11.01.20	1183	18.9	16.3	69	10	12	1.1E-04
11.01.30	1228	18.9	14.5	78	12	10	1.0E-04
11.01.40	1273	18.7	14.5	74	12	9	1.0E-04
11.01.50	1283	18.2	14.2	73	11	10	1.0E-04
11.02.00	1238	17.3	13.3	72	7	10	9.6E-05
11.02.10	1251	17.2	13.2	73	7	9	9.4E-05
11.02.20	1227	17.0	13.2	77	8	10	9.1E-05
11.02.30	1252	16.8	13.3	78	10	10	9.1E-05
11.02.40	1271	16.5	13.5	74	8	8	8.2E-05
11.02.50	1254	16.2	13.5	67	9	9	8.6E-05
11.03.00	1286	16.0	13.2	71	10	7	8.5E-05
11.03.10	1311	15.8	13.2	69	10	7	8.6E-05
11.03.20	1256	15.5	13.6	70	10	7	8.6E-05
11.03.30	1243	15.1	13.6	68	11	9	8.5E-05
11.03.40	1224	14.9	13.7	64	10	10	8.6E-05
11.03.50	1148	15.1	13.7	64	11	11	8.4E-05
11.04.00	1225	15.1	13.8	66	11	11	8.5E-05
11.04.10	1237	15.3	13.7	67	8	11	8.6E-05
11.04.20	1238	15.3	13.7	71	7	11	8.5E-05
11.04.30	1207	15.6	13.6	65	8	11	8.5E-05
11.04.40	1162	16.4	13.2	71	9	11	8.3E-05
11.04.50	1208	16.9	13.2	73	7	11	7.8E-05
11.05.00	1212	16.9	13.4	71	9	11	8.2E-05
11.05.10	1212	17.0	13.3	74	10	11	9.0E-05
11.05.20	1253	16.9	13.2	74	12	11	9.1E-05
11.05.30	1262	17.1	13.5	74	9	10	8.6E-05
11.05.40	1208	17.3	13.1	75	9	10	9.1E-05
11.05.50	1250	17.7	12.9	78	8	10	8.9E-05
11.06.00	1191	18.1	13.1	77	10	8	8.6E-05
11.06.10	1206	18.6	13.2	81	11	8	8.9E-05
11.06.20	1210	18.4	13.4	79	7	7	8.9E-05
11.06.30	1163	9.0	14.1	78	8	6	8.2E-05
11.06.40	1128	12.7	13.5	79	8	5	7.5E-05
11.06.50	1114	12.2	13.6	72	6	7	8.0E-05
11.07.00	1116	5.8	14.5	74	8	9	8.4E-05
11.07.10	1107	18.2	15.3	71	8	10	9.1E-05
11.07.20	1104	18.8	16.3	67	8	9	1.0E-04
11.07.30	1096	19.0	16.7	71	10	11	1.0E-04
11.07.40	1070	19.6	17.0	72	10	11	1.0E-04
11.07.50	1040	19.9	17.1	74	9	11	1.0E-04
11.08.00	992	20.6	17.4	72	9	12	1.0E-04

TABLE 5.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.08.10	931	20.3	17.0	70	9	9	9.8E-05
11.08.20	931	19.8	16.8	68	8	7	9.5E-05
11.08.30	944	20.9	17.6	68	9	8	1.1E-04
11.08.40	912	20.9	17.5	68	7	10	1.1E-04
11.08.50	859	20.3	16.7	73	8	9	1.0E-04
11.09.00	866	21.0	17.8	70	9	10	1.2E-04
11.09.10	849	20.9	17.9	73	9	12	1.3E-04
11.09.20	793	20.3	17.4	68	10	10	1.0E-04
11.09.30	780	21.2	17.8	69	10	11	1.0E-04
11.09.40	742	21.2	18.0	68	9	10	1.0E-04
11.09.50	714	21.6	18.2	68	8	9	1.0E-04
11.10.00	703	22.2	18.7	66	9	10	1.0E-04
11.10.10	676	22.4	18.8	66	9	11	1.0E-04
11.10.20	642	22.6	18.4	73	10	11	1.0E-04
11.10.30	604	22.5	18.0	67	9	10	9.7E-05
11.10.40	580	22.7	18.5	68	9	10	1.0E-04
11.10.50	556	22.8	18.6	68	8	9	1.0E-04
11.11.00	530	23.0	18.6	70	8	11	1.0E-04
11.11.10	501	23.3	18.4	71	10	11	1.0E-04
11.11.20	475	24.0	18.6	59	9	11	7.8E-05
11.11.30	453	24.5	19.3	60	9	11	8.4E-05
11.11.40	415	24.4	19.5	59	11	12	8.3E-05
11.11.50	391	24.5	19.4	57	11	12	8.0E-05
11.12.00	366	24.6	20.0	60	10	11	8.5E-05
11.12.10	341	24.7	20.5	49	10	9	7.9E-05
11.12.20	323	24.8	20.5	48	11	10	7.9E-05
11.12.30	301	24.9	20.5	51	10	11	7.4E-05
S 11.12.40	282	25.0	20.5	51	8	10	6.9E-05
11.12.50	265	25.1	20.5	55	9	10	8.8E-05
11.13.00	257	25.0	20.7	65	9	10	9.9E-05
11.13.10	277	24.5	20.7	62	9	9	8.7E-05
11.13.20	281	24.4	20.6	56	10	11	8.4E-05
11.13.30	306	24.4	20.7	56	12	13	8.4E-05
11.13.40	308	24.5	20.8	49	10	13	8.5E-05
11.13.50	314	24.5	20.7	56	9	14	8.4E-05
11.14.00	309	24.4	20.6	50	10	12	7.4E-05
11.14.10	323	24.3	20.7	48	9	12	7.9E-05
11.14.20	327	24.2	20.6	48	9	8	7.4E-05
11.14.30	325	24.2	20.4	49	10	10	7.1E-05
11.14.40	327	24.2	20.5	49	9	11	7.6E-05
11.14.50	303	24.6	20.8	50	10	12	7.8E-05
11.15.00	284	25.0	21.1	59	9	11	1.0E-04

TABLE 5.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.15.10	282	25.0	21.3	70	9	10	1.1E-04
11.15.20	286	24.7	21.7	69	11	12	1.1E-04
11.15.30	290	24.6	21.9	67	9	14	1.2E-04
11.15.40	290	24.6	22.0	69	10	15	1.3E-04
11.15.50	278	24.4	21.3	73	11	15	1.2E-04
11.16.00	257	24.0	20.5	71	10	15	9.7E-05
11.16.10	249	--	20.2	71	8	14	9.1E-05
11.16.20	226	--	20.0	72	9	13	8.2E-05
11.16.30	297	--	21.6	72	11	18	1.0E-04
11.16.40	350	23.7	22.7	75	13	19	1.3E-04
11.16.50	407	26.1	24.3	74	15	21	1.5E-04
11.17.00	381	25.2	23.3	73	15	20	1.2E-04
11.17.10	382	25.2	22.9	65	13	19	1.2E-04
11.17.20	341	--	21.8	65	11	15	1.1E-04
11.17.30	338	24.0	22.2	65	10	15	1.1E-04
11.17.40	303	--	21.5	66	10	13	9.7E-05
11.17.50	247	--	20.2	63	9	10	8.2E-05
11.18.00	239	--	20.2	64	7	9	8.4E-05
11.18.10	301	--	21.4	67	10	14	9.9E-05
11.18.20	271	--	20.9	64	10	13	8.9E-05
11.18.30	257	--	20.9	64	9	13	9.1E-05
11.18.40	227	--	19.9	62	8	12	7.9E-05
11.18.50	232	--	19.7	66	6	12	8.2E-05
11.19.00	229	--	19.9	63	5	10	7.8E-05
11.19.10	242	--	20.1	58	10	10	7.9E-05
11.19.20	262	--	20.2	61	10	10	8.7E-05
11.19.30	275	--	20.1	60	9	10	8.2E-05
11.19.40	290	--	20.9	58	8	9	8.8E-05
11.19.50	286	--	20.9	58	9	9	9.5E-05
11.20.00	274	25.0	20.9	61	9	10	9.2E-05
11.20.10	268	25.2	20.7	60	7	11	9.3E-05
11.20.20	255	--	20.9	57	9	13	1.9E-04
11.20.30	241	--	20.3	48	25	20	1.1E-04
11.20.40	216	--	19.6	44	31	20	1.7E-04
11.20.50	222	--	19.8	55	88	59	9.5E-05
11.21.00	222	--	20.0	56	22	45	8.3E-05
11.21.10	235	--	20.2	60	10	32	8.7E-05
11.21.20	241	23.1	20.5	60	10	23	9.2E-05
11.21.30	255	24.7	20.6	58	9	20	9.5E-05
11.21.40	261	24.9	20.6	57	9	17	1.0E-04
11.21.50	261	25.1	21.4	60	9	15	1.0E-04
11.22.00	907	--	--	78	32	47	3.4E-04

TABLE 6.- URBAN PLUME EXPERIMENT, AUGUST 24, 1979: LEG CD (SECOND TRAVERSE)

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.47.10	306	29.0	19.0	73	9	12	1.1E-04
14.47.20	300	29.0	19.7	80	10	12	1.1E-04
14.47.30	296	29.1	19.5	81	11	11	1.1E-04
14.47.40	297	29.1	19.5	82	11	12	1.1E-04
14.47.50	303	29.0	19.7	79	11	11	1.2E-04
14.48.00	302	29.0	19.8	81	11	11	1.2E-04
14.48.10	301	29.0	19.8	79	11	11	1.1E-04
14.48.20	301	29.1	19.2	79	11	12	1.1E-04
14.48.30	302	29.1	19.2	68	11	11	1.1E-04
14.48.40	301	29.0	19.7	67	11	12	1.1E-04
14.48.50	310	28.8	19.8	68	10	12	1.1E-04
14.49.00	305	28.9	19.2	72	10	12	1.1E-04
14.49.10	303	28.9	20.0	64	11	13	1.1E-04
14.49.20	309	28.9	20.2	66	11	13	1.1E-04
14.49.30	315	28.8	20.3	68	11	11	1.1E-04
14.49.40	331	28.7	20.2	71	10	10	1.1E-04
14.49.50	344	28.6	19.8	69	11	9	1.1E-04
14.50.00	341	28.6	20.0	65	12	11	1.1E-04
14.50.10	333	28.7	20.0	65	10	12	1.1E-04
14.50.20	336	28.8	19.8	64	11	11	1.1E-04
14.50.30	332	28.7	20.2	67	11	10	1.1E-04
14.50.40	330	28.8	20.2	66	11	9	1.1E-04
14.50.50	335	28.9	19.3	63	11	11	1.1E-04
14.51.00	335	28.8	19.7	65	11	11	1.1E-04
14.51.10	336	28.6	20.0	62	10	11	1.1E-04
14.51.20	334	28.5	20.4	64	10	11	1.1E-04
14.51.30	331	28.6	20.5	68	12	11	1.1E-04
14.51.40	330	28.7	20.5	67	10	11	1.2E-04
14.51.50	330	28.6	20.5	65	10	12	1.2E-04
14.52.00	334	28.5	20.5	64	11	12	1.2E-04
14.52.10	330	28.6	20.5	62	12	12	1.2E-04
14.52.20	327	28.5	20.8	66	11	11	1.2E-04
14.52.30	333	28.4	20.8	67	9	12	1.1E-04
14.52.40	328	28.4	20.9	71	9	13	1.2E-04
14.52.50	329	28.5	20.9	66	12	13	1.2E-04
14.53.00	343	28.3	21.1	65	12	12	1.2E-04
14.53.10	341	28.3	21.1	71	11	11	1.3E-04
14.53.20	336	28.4	21.1	69	11	12	1.3E-04
14.53.30	332	28.4	21.0	71	11	12	1.3E-04
14.53.40	328	28.6	20.9	71	12	11	1.2E-04
14.53.50	326	28.6	20.9	68	11	13	1.2E-04
14.54.00	325	28.5	21.0	70	10	15	1.3E-04

TABLE 6.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.54.10	329	28.5	21.0	75	13	16	1.3E-04
14.54.20	333	28.4	20.9	73	12	14	1.3E-04
14.54.30	336	27.9	21.6	81	10	17	1.3E-04
14.54.40	336	27.8	21.7	107	11	19	1.5E-04
14.54.50	334	27.8	21.8	97	12	21	1.6E-04
14.55.00	332	28.2	21.6	92	13	26	1.6E-04
14.55.10	343	28.2	21.6	92	14	29	1.5E-04
14.55.20	349	28.1	21.7	95	12	28	1.4E-04
14.55.30	354	28.4	21.1	89	11	29	1.4E-04
14.55.40	358	28.7	20.6	75	12	31	1.3E-04
14.55.50	356	28.8	20.5	70	12	25	1.4E-04
14.56.00	347	28.8	20.7	75	13	23	1.6E-04
14.56.10	334	28.9	20.7	77	12	21	1.4E-04
14.56.20	320	29.3	20.5	72	11	20	1.3E-04
14.56.30	312	29.3	20.9	76	12	18	1.3E-04
14.56.40	302	29.4	21.0	71	11	18	1.3E-04
14.56.50	301	29.4	21.0	66	10	18	1.3E-04
14.57.00	297	29.4	21.2	67	10	17	1.3E-04
14.57.10	295	29.2	21.3	72	12	16	1.3E-04
14.57.20	293	29.4	21.1	70	11	14	1.3E-04
14.57.30	297	29.2	21.5	68	10	15	1.2E-04
14.57.40	304	29.0	21.7	66	10	17	1.2E-04
14.57.50	317	28.9	22.0	65	11	16	1.2E-04
14.58.00	325	28.6	21.9	62	12	17	1.2E-04
14.58.10	316	28.7	21.8	69	10	17	1.2E-04
14.58.20	320	28.7	22.3	65	10	17	1.2E-04
14.58.30	328	28.3	21.9	68	10	15	1.2E-04
14.58.40	335	28.0	22.7	68	8	15	1.1E-04
14.58.50	325	28.0	22.7	61	10	14	1.2E-04
14.59.00	323	28.0	22.5	63	9	14	1.2E-04
14.59.10	325	28.0	22.4	64	11	16	1.1E-04
14.59.20	325	28.0	22.3	66	12	16	1.2E-04
14.59.30	320	28.0	22.6	66	11	16	1.1E-04
14.59.40	319	27.8	22.9	65	11	17	1.1E-04
14.59.50	322	27.9	22.9	68	13	15	1.1E-04
15.00.00	323	27.9	22.6	67	11	16	1.1E-04
15.00.10	321	27.9	22.7	62	11	15	1.1E-04
15.00.20	315	27.8	22.6	67	12	15	1.1E-04
15.00.30	305	27.6	22.8	64	12	14	1.0E-04
15.00.40	303	27.6	22.9	64	11	13	1.0E-04
15.00.50	295	27.6	22.8	63	10	13	1.0E-04
15.01.00	289	27.6	22.7	62	11	14	1.0E-04

TABLE 6.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.01.10	282	27.7	22.6	66	10	13	1.1E-04
15.01.20	284	27.6	22.9	62	11	12	1.0E-04
15.01.30	299	27.2	22.8	65	11	12	1.0E-04
15.01.40	316	26.9	22.7	67	12	14	1.0E-04
15.01.50	327	26.6	22.4	62	12	14	1.0E-04
15.02.00	330	26.5	22.4	63	12	14	1.0E-04
15.02.10	332	26.3	22.3	64	11	14	9.5E-05
15.02.20	335	26.2	21.8	65	10	14	9.4E-05
15.02.30	337	26.1	22.0	63	11	14	1.0E-04
15.02.40	339	26.1	22.0	67	10	15	1.0E-04
15.02.50	347	26.0	21.4	61	11	14	1.0E-04
15.03.00	349	25.9	21.5	67	13	14	1.0E-04
15.03.10	350	25.8	21.1	66	12	12	1.0E-04
15.03.20	354	26.0	21.1	69	13	13	1.2E-04
15.03.30	348	26.1	20.9	65	11	12	1.2E-04
15.03.40	340	26.3	21.0	68	12	11	1.1E-04
15.03.50	334	26.4	21.0	63	12	11	1.2E-04
15.04.00	332	26.5	21.1	62	9	11	1.2E-04
15.04.10	328	26.5	21.1	65	8	11	1.2E-04
15.04.20	325	26.6	21.2	70	9	12	1.3E-04
15.04.30	324	26.7	21.3	65	10	12	1.3E-04
15.04.40	327	26.7	21.3	70	12	11	1.2E-04
15.04.50	329	26.7	21.3	65	11	11	1.2E-04
15.05.00	328	26.8	21.4	62	11	10	1.2E-04
15.05.10	327	26.8	21.3	67	11	10	1.2E-04
15.05.20	323	26.9	21.3	65	10	11	1.2E-04
15.05.30	321	26.8	21.1	64	10	12	1.2E-04
15.05.40	321	26.7	20.8	65	10	11	1.2E-04
15.05.50	323	26.6	20.7	66	10	11	1.1E-04
15.06.00	323	26.6	20.6	67	10	10	1.1E-04
15.06.10	328	26.6	20.6	66	9	11	1.1E-04
15.06.20	330	26.7	20.7	72	11	12	1.1E-04
15.06.30	328	26.7	20.7	69	13	12	1.2E-04

TABLE 7.- URBAN PLUME EXPERIMENT, AUGUST 24, 1979: LEG FE\* (THIRD TRAVERSE)

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.12.00	312	26.3	20.3	66	11	12	1.1E-04
15.12.10	311	26.2	20.5	65	10	12	1.1E-04
15.12.20	312	26.2	20.4	68	10	9	1.1E-04
15.12.30	317	26.1	20.3	67	9	9	1.1E-04
15.12.40	322	26.0	20.4	67	10	11	1.0E-04
15.12.50	324	26.0	20.5	69	10	13	1.0E-04
15.13.00	325	26.0	20.5	68	9	11	1.0E-04
15.13.10	328	26.0	20.4	68	10	12	1.1E-04
15.13.20	330	26.0	20.0	68	11	12	1.1E-04
15.13.30	332	26.2	19.8	67	10	11	1.1E-04
15.13.40	333	26.2	19.8	65	10	11	1.1E-04
15.13.50	335	26.1	20.2	65	11	9	1.2E-04
15.14.00	336	26.1	20.5	66	11	11	1.1E-04
15.14.10	335	26.1	20.5	67	10	12	1.2E-04
15.14.20	334	26.1	20.5	68	9	12	1.1E-04
15.14.30	336	26.2	20.5	67	10	13	1.2E-04
15.14.40	336	26.3	20.4	60	11	12	1.3E-04
15.14.50	333	26.2	20.4	62	11	11	1.3E-04
15.15.00	330	26.3	20.5	61	10	11	1.3E-04
15.15.10	328	26.4	20.5	61	12	11	1.3E-04
15.15.20	327	26.4	20.4	64	11	10	1.3E-04
15.15.30	320	26.5	20.5	67	13	11	1.3E-04
15.15.40	317	26.6	20.4	64	13	11	1.2E-04
15.15.50	316	26.6	20.2	69	11	13	1.2E-04
15.16.00	319	26.7	20.5	65	10	13	1.3E-04
15.16.10	325	26.7	20.6	66	10	11	1.2E-04
15.16.20	328	26.7	20.5	64	10	11	1.3E-04
15.16.30	330	26.7	20.5	66	10	10	1.2E-04
15.16.40	334	26.8	20.4	68	12	10	1.2E-04
15.16.50	334	26.7	20.7	65	12	9	1.3E-04
15.17.00	335	26.7	20.8	64	11	9	1.3E-04
15.17.10	336	26.7	20.8	72	11	8	1.3E-04
15.17.20	335	26.6	20.8	67	9	10	1.3E-04
15.17.30	336	26.6	19.6	65	11	9	1.3E-04
15.17.40	338	26.5	20.8	69	11	9	1.3E-04
15.17.50	338	26.5	19.7	69	12	8	1.2E-04
15.18.00	339	26.6	19.4	60	10	9	1.2E-04
15.18.10	338	26.7	19.0	65	8	11	1.2E-04
15.18.20	338	26.9	19.5	65	9	12	1.2E-04
15.18.30	340	27.0	18.7	69	9	12	1.2E-04
15.18.40	342	27.0	20.2	66	9	12	1.2E-04
15.18.50	341	26.9	21.1	69	9	12	1.2E-04

TABLE 7.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.19.00	338	26.8	21.3	71	7	12	1.2E-04
15.19.10	335	26.7	21.4	68	8	12	1.2E-04
15.19.20	331	26.7	21.4	66	10	11	1.2E-04
15.19.30	326	26.7	21.4	65	9	12	1.2E-04
15.19.40	320	26.7	21.4	69	11	14	1.1E-04
15.19.50	315	26.8	21.5	70	11	14	1.1E-04
15.20.00	311	26.9	21.5	63	12	14	1.2E-04
15.20.10	308	26.9	21.6	66	10	13	1.1E-04
15.20.20	306	26.9	21.6	67	9	13	1.1E-04
15.20.30	304	26.9	21.6	66	11	13	1.1E-04
15.20.40	304	27.2	21.5	67	9	14	1.1E-04
15.20.50	305	27.3	21.6	71	10	12	1.1E-04
15.21.00	309	27.4	21.8	68	10	12	1.1E-04
15.21.10	310	27.3	21.8	68	10	13	1.1E-04
15.21.20	312	27.5	21.8	67	11	12	1.1E-04
15.21.30	313	27.7	21.8	70	10	12	1.1E-04
15.21.40	315	27.5	21.8	66	11	14	1.1E-04
15.21.50	316	27.4	21.8	68	10	15	1.1E-04
15.22.00	314	27.3	22.0	72	13	14	1.1E-04
15.22.10	313	27.3	22.0	65	11	13	1.1E-04
15.22.20	311	27.3	22.0	70	12	12	1.1E-04
15.22.30	310	27.4	22.0	69	11	11	1.1E-04
15.22.40	313	27.6	22.0	71	10	11	1.1E-04
15.22.50	315	27.6	22.1	74	11	12	1.2E-04
15.23.00	317	27.7	22.2	67	12	13	1.1E-04
S 15.23.10	321	27.6	22.2	72	10	14	1.1E-04
15.23.20	317	27.5	22.3	74	9	14	1.2E-04
15.23.30	293	27.6	22.3	74	8	13	1.1E-04
15.23.40	266	27.8	22.1	77	10	13	1.1E-04
15.23.50	240	28.1	22.4	73	10	12	1.1E-04
15.24.00	211	28.1	22.2	70	10	12	1.1E-04
15.24.10	185	28.0	22.0	69	10	12	1.1E-04
15.24.20	163	27.9	21.8	69	8	11	1.1E-04
15.24.30	152	27.8	21.7	67	8	11	1.1E-04
15.24.40	152	27.3	21.4	68	9	10	1.1E-04
15.24.50	155	27.5	21.7	70	9	9	1.2E-04
15.25.00	152	27.5	21.6	68	10	11	1.2E-04
15.25.10	140	27.6	21.7	70	11	11	1.2E-04
15.25.20	150	27.6	21.8	67	11	11	1.2E-04
15.25.30	172	27.5	22.0	67	11	12	1.2E-04
15.25.40	198	27.4	22.0	67	10	11	1.1E-04
15.26.05	269	27.2	21.9	70	11	12	1.1E-04



TABLE 7.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.26.15	299	27.1	21.8	70	10	13	1.1E-04
15.26.25	325	27.0	22.0	72	11	11	1.1E-04
15.26.35	356	26.9	22.0	71	9	12	1.2E-04
15.26.45	382	26.7	22.0	73	10	11	1.2E-04
15.26.55	408	26.4	21.9	74	9	11	1.2E-04
15.27.05	434	26.2	21.9	73	10	12	1.1E-04
15.27.15	468	26.0	21.7	75	9	14	1.2E-04
15.27.25	501	25.8	21.5	70	10	15	1.2E-04
15.27.35	532	25.5	21.5	74	11	13	1.2E-04
15.27.45	552	25.4	21.5	75	9	13	1.2E-04
15.27.55	568	25.3	21.4	73	9	11	1.2E-04
15.28.05	596	25.0	21.3	71	11	13	1.1E-04
15.28.15	619	24.9	21.2	77	11	13	1.2E-04
15.28.25	641	24.7	21.1	77	11	12	1.1E-04
15.28.35	677	24.5	20.8	80	11	13	1.2E-04
15.28.45	700	24.4	20.7	76	8	13	1.2E-04
15.28.55	717	24.3	20.7	77	10	13	1.2E-04
15.29.05	736	24.2	20.6	77	10	13	1.2E-04
15.29.15	766	24.1	20.5	73	11	14	1.2E-04
15.29.25	808	23.5	20.6	79	8	15	1.3E-04
15.29.35	834	23.2	20.5	82	9	13	1.2E-04
15.29.45	863	22.8	20.5	82	7	11	1.2E-04
15.29.55	889	22.7	20.0	81	9	12	1.2E-04
15.30.05	924	22.3	19.9	84	10	10	1.2E-04
15.30.15	942	22.2	19.8	80	11	11	1.2E-04
15.30.25	953	22.2	19.7	81	9	13	1.2E-04
15.30.35	981	22.0	19.8	82	8	12	1.2E-04
15.30.45	1008	21.7	19.7	79	8	14	1.2E-04
15.30.55	1032	21.6	19.1	80	8	14	1.2E-04
15.31.05	1067	21.5	18.6	77	9	14	1.3E-04
15.31.15	1091	21.2	18.7	79	9	13	1.3E-04
15.31.25	1120	20.8	18.9	77	9	11	1.2E-04
15.31.35	1144	20.7	18.3	80	10	13	1.3E-04
15.31.45	1179	20.4	18.1	80	11	14	1.3E-04
15.31.55	1201	20.1	17.9	81	11	13	1.3E-04
15.32.05	1210	20.1	18.1	79	9	11	1.2E-04
15.32.15	1240	19.8	18.2	80	10	11	1.2E-04
15.32.25	1275	19.8	17.4	83	10	11	1.2E-04
15.32.35	1300	20.1	16.6	82	10	10	1.4E-04
15.32.45	1330	19.9	16.5	75	9	11	1.3E-04
15.32.55	1362	19.6	16.0	77	11	10	1.3E-04
15.33.05	1392	19.3	16.1	82	11	10	1.4E-04

TABLE 7.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.33.15	1415	18.9	16.8	77	11	11	1.3E-04
15.33.25	1438	18.9	16.1	80	10	14	1.3E-04
15.33.35	1461	18.9	15.6	80	10	14	1.3E-04
15.33.45	1478	18.8	15.7	79	12	14	1.3E-04
15.33.55	1491	18.7	15.6	78	11	14	1.4E-04
15.34.05	1522	18.5	15.7	84	10	14	1.3E-04
15.34.15	1566	18.2	15.2	81	10	14	1.3E-04
15.34.25	1576	18.2	15.1	83	11	14	1.3E-04
15.34.35	1619	18.0	14.6	79	8	13	1.3E-04
15.34.45	1640	17.8	14.5	80	9	13	1.3E-04
15.34.55	1649	17.7	14.5	80	9	11	1.2E-04
15.35.05	1646	17.7	14.7	78	10	11	1.4E-04
15.35.15	1648	18.2	13.6	79	10	11	1.1E-04
15.35.25	1636	17.9	14.6	80	11	12	1.2E-04
15.35.35	1640	17.6	15.0	82	12	11	1.3E-04
15.35.45	1613	17.9	15.1	83	9	10	1.3E-04
15.35.55	1589	18.3	15.0	81	8	11	1.2E-04
15.36.05	1567	18.4	15.0	79	10	11	1.3E-04
15.36.15	1539	18.6	14.9	82	10	12	1.4E-04
15.36.25	1504	19.0	15.1	86	7	13	1.4E-04
15.36.35	1467	19.3	15.1	85	8	13	1.3E-04
15.36.45	1427	19.7	15.6	81	10	13	1.3E-04
15.36.55	1409	19.6	15.9	81	10	15	1.4E-04
15.37.05	1379	19.8	16.1	82	10	15	1.3E-04
15.37.15	1348	19.9	16.7	82	8	16	1.4E-04
15.37.25	1332	20.1	16.5	83	11	16	1.4E-04
15.37.35	1294	20.5	16.5	81	8	15	1.4E-04
15.37.45	1245	20.9	16.9	82	8	14	1.4E-04
15.37.55	1221	21.2	16.7	83	9	13	1.4E-04
15.38.05	1209	21.1	17.0	82	12	13	1.4E-04
15.38.15	1188	21.1	17.3	82	11	13	1.5E-04
15.38.25	1162	20.9	18.2	83	12	14	1.4E-04
15.38.35	1129	21.2	18.2	81	12	15	1.3E-04
15.38.45	1096	21.7	17.7	83	13	15	1.3E-04
15.38.55	1083	21.9	17.6	83	9	15	1.3E-04
15.39.05	1044	22.0	18.5	80	10	13	1.3E-04
15.39.15	1019	22.0	19.1	83	11	13	1.3E-04
15.39.25	983	22.2	19.1	88	10	14	1.3E-04
15.39.35	961	22.6	19.0	87	11	14	1.3E-04
15.39.45	931	23.0	18.9	85	11	14	1.3E-04
15.39.55	914	23.0	19.4	89	11	13	1.3E-04
15.40.05	901	23.1	19.2	81	11	12	1.3E-04

TABLE 7.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.40.15	871	23.3	19.4	83	10	13	1.3E-04
15.40.25	834	23.8	19.3	85	9	12	1.3E-04
15.40.35	792	24.3	19.4	90	9	11	1.3E-04
15.40.45	766	24.3	19.9	91	11	12	1.3E-04
15.40.55	756	24.1	20.2	90	11	10	1.3E-04
15.41.05	721	24.3	20.5	87	11	12	1.3E-04
15.41.15	702	24.4	20.7	85	12	13	1.3E-04
15.41.25	679	24.6	20.8	79	10	13	1.3E-04
15.41.35	655	24.8	20.9	82	11	14	1.3E-04
15.41.45	636	25.0	20.7	83	9	13	1.2E-04
15.41.55	614	25.3	20.6	84	9	13	1.2E-04
15.42.05	584	25.7	20.5	87	10	14	1.3E-04
15.42.15	563	25.7	20.7	84	9	14	1.2E-04
15.42.25	557	25.6	21.0	83	8	12	1.2E-04
15.42.35	536	25.8	21.1	79	11	13	1.2E-04
15.42.45	518	25.9	21.3	79	8	11	1.2E-04
15.42.55	501	26.0	21.4	78	9	11	1.2E-04
15.43.05	469	26.3	21.6	77	10	13	1.2E-04
15.43.15	440	26.6	21.4	76	9	12	1.2E-04
15.43.25	416	26.8	21.5	75	10	13	1.2E-04
15.43.35	385	27.0	21.6	72	8	12	1.2E-04
15.43.45	365	27.1	21.6	70	9	12	1.2E-04
15.43.55	346	27.3	21.7	72	11	11	1.2E-04
S 15.44.05	333	27.4	21.6	76	10	10	1.2E-04
15.44.15	314	27.5	21.4	70	9	11	1.2E-04
15.44.25	314	27.3	21.4	69	10	12	1.1E-04
15.44.35	313	27.2	21.4	66	11	12	1.2E-04
15.44.45	323	27.1	21.4	67	11	14	1.2E-04
15.44.55	334	27.0	21.5	66	10	12	1.2E-04
15.45.05	338	27.0	21.4	71	10	11	1.2E-04
15.45.15	342	27.0	21.5	68	10	11	1.2E-04
15.45.25	350	26.9	21.6	69	9	11	1.2E-04
15.45.35	359	26.9	21.9	71	10	12	1.2E-04
15.45.45	350	27.1	22.0	75	9	13	1.2E-04
15.45.55	359	27.0	22.0	74	9	12	1.2E-04
15.46.05	357	27.0	22.0	78	10	14	1.2E-04
15.46.15	350	27.0	22.0	77	11	13	1.2E-04
15.46.25	346	27.2	21.9	75	10	12	1.2E-04
15.46.35	341	27.2	22.1	79	8	11	1.2E-04
15.46.45	338	27.3	22.2	76	9	11	1.2E-04
15.46.55	335	27.3	22.1	76	9	12	1.2E-04
15.47.05	333	27.3	22.0	80	9	13	1.2E-04

TABLE 7.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.47.15	333	27.3	22.1	79	12	14	1.2E-04
15.47.25	332	27.3	22.0	79	10	14	1.2E-04
15.47.35	327	27.3	22.2	83	9	13	1.1E-04
15.47.45	328	27.2	22.2	79	10	13	1.2E-04
15.47.55	328	27.2	22.2	79	12	14	1.2E-04
15.48.05	332	27.3	22.0	81	12	13	1.2E-04
15.48.15	333	27.3	22.0	83	10	11	1.2E-04
15.48.25	333	27.2	21.9	81	10	9	1.2E-04
15.48.35	332	27.2	21.9	86	10	11	1.2E-04
15.48.45	333	27.3	21.9	86	10	11	1.3E-04
15.48.55	334	27.3	21.6	90	9	12	1.2E-04
15.49.05	336	27.6	21.1	96	9	12	1.3E-04
15.49.15	340	27.6	21.0	113	6	11	1.4E-04
15.49.25	345	27.6	20.9	114	9	13	1.4E-04
15.49.35	349	27.8	20.8	101	11	12	1.3E-04
15.49.45	350	27.5	21.0	103	11	10	1.3E-04
15.49.55	349	27.8	20.8	101	5	11	1.3E-04
15.50.05	349	27.6	21.0	90	9	12	1.3E-04
15.50.15	349	27.7	20.8	97	10	13	1.3E-04
15.50.25	348	27.7	20.9	93	11	13	1.3E-04
15.50.35	347	27.8	21.0	99	11	14	1.3E-04
15.50.45	350	27.8	21.1	94	11	14	1.3E-04
15.50.55	354	27.6	21.2	96	11	13	1.2E-04
15.51.05	355	27.6	21.3	98	11	13	1.2E-04
15.51.15	358	27.8	21.3	93	10	14	1.3E-04
15.51.25	361	27.9	21.3	94	11	15	1.3E-04
15.51.35	363	28.0	21.2	90	11	15	1.2E-04
15.51.45	363	28.1	21.2	88	11	15	1.2E-04
15.51.55	366	28.3	21.0	84	9	14	1.2E-04
15.52.05	369	28.4	20.7	87	9	17	1.1E-04
15.52.15	372	28.1	21.0	81	7	17	1.1E-04
15.52.25	372	28.3	21.0	81	10	15	1.1E-04
15.52.35	366	28.2	21.2	74	11	14	1.6E-04
15.52.45	361	28.0	21.3	36	31	25	2.0E-04
15.52.55	360	27.9	21.7	58	31	46	1.4E-04
15.53.05	354	28.4	20.9	80	14	41	1.3E-04
15.53.15	354	27.9	21.8	71	12	36	1.7E-04
15.53.25	350	27.8	22.2	77	12	33	1.9E-04
15.53.35	355	28.9	20.2	82	13	32	1.2E-04
15.53.45	367	29.1	19.7	78	10	26	1.0E-04
15.53.55	378	29.0	19.1	74	11	21	1.0E-04
15.54.05	373	29.0	19.2	76	11	19	1.0E-04

TABLE 8.- URBAN PLUME EXPERIMENT, AUGUST 24, 1979: LEG IJ\*

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.11.20	303	28.2	20.6	102	7	15	1.0E-04
16.11.30	307	28.1	20.5	100	9	13	1.0E-04
16.11.40	312	28.1	20.4	95	11	13	1.0E-04
16.11.50	315	28.1	20.4	95	11	12	1.0E-04
16.12.00	315	28.0	20.4	91	11	12	1.0E-04
16.12.10	317	27.9	20.7	94	10	11	1.0E-04
16.12.20	319	27.7	20.7	102	11	11	1.1E-04
16.12.30	320	27.8	20.6	109	14	13	1.0E-04
16.12.40	320	27.8	20.7	103	11	12	1.0E-04
16.12.50	319	27.7	20.7	102	10	11	1.0E-04
16.13.00	318	27.6	20.7	104	9	11	1.1E-04
16.13.10	317	27.6	20.8	107	12	10	1.2E-04
16.13.20	315	27.5	20.8	111	10	10	1.2E-04
16.13.30	316	27.5	20.7	116	8	12	1.2E-04
16.13.40	316	27.6	20.7	116	9	12	1.2E-04
16.13.50	315	27.7	20.4	107	10	10	1.1E-04
16.14.00	313	27.7	20.4	91	12	12	1.0E-04
16.14.10	310	27.8	20.4	93	9	12	1.0E-04
16.14.20	310	27.7	20.5	91	10	13	1.0E-04
16.14.30	311	27.6	20.8	102	10	12	1.2E-04
16.14.40	313	27.4	21.1	123	10	11	1.4E-04
16.14.50	317	27.2	21.6	134	10	10	1.5E-04
16.15.00	318	27.1	21.6	129	11	11	1.5E-04
16.15.10	320	27.0	22.1	126	10	13	1.4E-04
16.15.20	321	27.0	21.8	131	9	12	1.5E-04
16.15.30	321	27.0	22.0	119	10	12	1.4E-04
16.15.40	323	27.0	21.9	122	8	12	1.4E-04
16.15.50	321	26.9	22.2	117	8	14	1.4E-04
16.16.00	321	26.9	22.4	112	11	14	1.3E-04
16.16.10	316	26.9	22.3	107	13	11	1.3E-04
16.16.20	314	27.0	22.4	102	14	11	1.3E-04
16.16.30	313	27.0	22.2	106	11	11	1.3E-04
16.16.40	313	27.0	22.2	101	10	12	1.3E-04
16.16.50	314	27.1	22.1	103	11	12	1.3E-04
16.17.00	312	27.0	22.3	104	9	13	1.3E-04
16.17.10	310	27.0	22.2	101	8	13	1.3E-04
16.17.20	312	27.0	22.3	97	11	12	1.3E-04
16.17.30	313	26.9	22.3	95	11	11	1.3E-04
16.17.40	315	26.9	22.2	97	11	11	1.3E-04
16.17.50	317	26.8	22.3	97	10	13	1.3E-04
16.18.00	317	26.8	22.2	97	9	12	1.3E-04
16.18.10	317	26.7	22.2	95	10	10	1.2E-04

TABLE 8.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.18.20	317	26.7	22.0	90	10	11	1.1E-04
16.18.30	320	26.8	22.0	98	9	12	1.2E-04
16.18.40	322	26.8	22.0	96	10	12	1.2E-04
16.18.50	323	26.7	22.1	88	9	15	1.1E-04
16.19.00	323	26.7	22.1	84	11	16	1.1E-04
16.19.10	323	26.6	22.1	82	12	15	1.0E-04
16.19.20	321	26.6	22.1	86	11	12	1.0E-04
16.19.30	321	26.6	22.1	85	10	12	1.0E-04
16.19.40	322	26.7	22.1	79	8	13	1.1E-04
16.19.50	323	26.7	22.2	83	8	15	1.0E-04
16.20.00	323	26.7	22.2	83	10	12	1.0E-04
16.20.10	325	26.5	22.2	80	10	12	1.0E-04
16.20.20	327	26.5	22.0	82	9	11	1.0E-04
16.20.30	330	26.5	21.7	79	11	13	1.0E-04
16.20.40	331	26.5	21.8	85	10	11	1.1E-04
16.20.50	332	26.4	22.1	84	12	11	1.0E-04
16.21.00	336	26.4	22.1	76	12	13	9.6E-05
16.21.10	337	26.6	21.9	75	10	15	1.0E-04
16.21.20	338	26.4	21.8	84	9	15	1.1E-04
16.21.30	338	26.2	22.1	77	12	16	9.9E-05
16.21.40	336	26.4	21.7	73	13	16	9.9E-05
16.21.50	338	26.3	22.0	79	14	15	1.0E-04
16.22.00	334	26.6	21.3	73	14	13	1.0E-04
16.22.10	335	26.5	21.3	84	9	10	1.0E-04
16.22.20	334	26.6	20.9	84	10	9	1.0E-04
16.22.30	338	26.3	21.8	80	9	9	1.0E-04
16.22.40	339	26.2	21.8	71	8	8	9.7E-05
16.22.50	339	26.3	21.6	70	9	8	1.0E-04
16.23.00	341	26.2	21.7	77	10	8	1.0E-04
16.23.10	340	26.2	21.8	66	10	12	1.0E-04
16.23.20	337	26.2	21.9	79	10	12	9.9E-05
16.23.30	335	26.2	21.9	68	10	13	9.8E-05
16.23.40	334	26.3	21.6	74	11	12	1.0E-04
16.23.50	332	26.2	22.0	76	10	11	9.3E-05
16.24.00	332	26.1	22.0	66	10	9	8.9E-05
16.24.10	332	26.2	21.8	66	11	9	9.4E-05
16.24.20	334	26.3	20.9	74	13	12	1.0E-04
16.24.30	336	26.1	21.6	70	11	11	1.0E-04
16.24.40	344	26.0	21.9	65	8	12	8.7E-05
16.24.50	344	26.1	21.6	64	8	12	9.2E-05
16.25.00	345	26.0	22.2	72	8	11	8.4E-05
16.25.10	348	26.0	21.9	63	11	11	9.0E-05

TABLE 8.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.25.20	350	25.7	22.1	63	7	10	8.3E-05
16.25.30	347	25.8	22.0	63	8	10	8.5E-05
16.25.40	345	25.8	21.9	60	10	11	8.6E-05
16.25.50	344	26.0	21.1	70	12	11	1.0E-04
16.26.00	348	26.0	20.8	74	10	9	1.1E-04
16.26.10	350	25.7	21.3	66	11	10	8.5E-05
16.26.20	354	25.7	21.5	66	11	11	8.7E-05
16.26.30	360	25.5	21.3	63	11	12	8.3E-05
16.26.40	365	25.6	21.0	63	8	12	8.9E-05
16.26.50	364	25.7	20.2	72	10	13	1.0E-04
S 16.27.00	356	25.9	20.3	71	9	14	1.1E-04
16.27.10	329	26.2	20.4	67	8	14	1.1E-04
16.27.20	298	26.4	20.5	66	9	13	1.1E-04
16.27.30	281	26.6	20.4	70	10	14	1.0E-04
16.27.40	262	26.7	20.2	70	9	11	9.8E-05
16.27.50	219	26.6	21.3	71	9	9	8.8E-05
16.28.00	215	26.3	21.6	62	10	10	8.3E-05
16.28.10	182	26.7	21.9	65	11	12	8.1E-05
16.28.20	163	27.0	22.3	62	11	11	7.7E-05
16.28.30	164	26.9	21.8	64	12	10	7.8E-05
16.28.40	166	26.9	21.7	63	14	11	7.7E-05
16.28.50	176	26.6	22.0	61	12	12	7.7E-05
16.29.00	192	26.3	21.8	63	13	11	7.4E-05
16.29.10	198	26.5	20.7	61	10	12	7.9E-05
16.29.20	201	26.5	20.8	67	9	10	7.9E-05
16.29.30	211	26.4	21.0	68	10	9	8.0E-05
16.29.40	215	26.4	21.4	64	9	8	8.0E-05
16.29.50	233	26.3	21.1	61	11	9	8.2E-05
16.30.00	262	26.1	21.8	66	12	9	8.0E-05
16.30.10	294	25.9	21.6	63	11	7	8.3E-05
16.30.20	323	25.7	21.2	60	8	8	8.2E-05
16.30.30	352	25.5	20.9	63	11	9	8.6E-05
16.30.40	382	25.6	20.3	65	11	9	1.0E-04
16.30.50	409	25.5	20.2	71	12	6	1.1E-04
16.31.00	420	25.5	20.0	68	11	7	1.1E-04
16.31.10	426	25.6	19.8	68	10	7	1.1E-04
16.31.20	452	25.4	19.9	74	9	9	1.1E-04
16.31.30	474	25.2	19.7	70	10	10	1.1E-04
16.31.40	489	25.2	19.7	74	10	10	1.1E-04
16.31.50	507	25.1	19.7	74	7	9	1.1E-04
16.32.00	534	24.8	19.3	75	9	10	1.1E-04
16.32.10	567	24.6	19.0	72	8	8	1.0E-04

TABLE 8.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.32.20	592	24.4	18.9	75	10	8	1.0E-04
16.32.30	618	24.3	19.0	69	10	11	1.1E-04
16.32.40	645	24.1	19.0	69	11	12	1.1E-04
16.32.50	661	24.0	18.9	77	8	11	1.1E-04
16.33.00	681	23.8	18.8	72	10	12	1.3E-04
16.33.10	705	23.6	18.9	72	12	10	1.2E-04
16.33.20	730	23.3	18.7	71	8	8	1.2E-04
16.33.30	760	23.2	18.5	76	8	9	1.3E-04
16.33.40	783	23.1	18.4	84	8	8	1.1E-04
16.33.50	812	22.9	18.7	88	10	8	1.0E-04
16.34.00	845	22.6	18.3	83	11	10	1.0E-04
16.34.10	859	22.5	18.2	83	6	10	1.0E-04
16.34.20	891	22.3	18.1	84	9	8	1.0E-04
16.34.30	920	22.2	17.8	79	9	10	9.8E-05
16.34.40	941	22.1	17.8	80	10	12	1.0E-04
16.34.50	960	22.1	17.7	80	10	13	1.0E-04
16.35.00	986	22.1	17.3	87	10	15	1.2E-04
16.35.10	997	22.4	16.4	95	10	13	1.2E-04
16.35.20	1021	22.4	16.2	91	11	13	1.1E-04
16.35.30	1046	22.2	16.3	92	9	13	1.2E-04
16.35.40	1086	21.9	15.9	99	9	16	1.2E-04
16.35.50	1124	21.6	15.5	95	10	16	1.2E-04
16.36.00	1146	21.3	15.7	94	10	13	1.2E-04
16.36.10	1168	21.1	15.5	91	12	12	1.1E-04
16.36.20	1196	21.0	14.9	93	8	12	9.8E-05
16.36.30	1217	20.9	14.7	85	8	10	1.0E-04
16.36.40	1244	20.6	14.7	84	9	10	1.0E-04
16.36.50	1268	20.5	14.5	86	11	10	1.0E-04
16.37.00	1290	20.6	13.7	83	9	8	9.1E-05
16.37.10	1309	20.6	13.3	76	11	10	7.6E-05
16.37.20	1338	20.5	13.2	74	10	10	8.9E-05
16.37.30	1368	20.3	13.0	72	10	11	8.1E-05
16.37.40	1394	20.1	12.7	76	9	10	7.9E-05
16.37.50	1428	20.0	12.0	76	12	8	7.8E-05
16.38.00	1442	19.8	12.3	77	11	7	8.0E-05
16.38.10	1451	19.7	12.4	77	10	5	8.4E-05
16.38.20	1482	19.5	12.2	78	10	6	7.2E-05
16.38.30	1512	19.3	12.1	86	9	7	8.3E-05
16.38.40	1540	19.2	11.7	85	8	8	6.2E-05
16.38.50	1569	19.1	11.7	70	9	9	5.0E-05
16.39.00	1600	18.8	11.7	69	11	8	5.5E-05
16.39.10	1627	18.6	11.5	73	9	8	5.3E-05



TABLE 8.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.39.20	1652	18.4	11.4	70	9	9	5.7E-05
16.39.30	1657	18.4	11.5	68	7	10	5.8E-05
16.39.40	1648	18.7	11.2	70	9	9	4.8E-05
16.39.50	1651	18.6	11.4	76	11	8	4.7E-05
16.40.00	1653	18.5	11.5	73	10	7	4.9E-05
16.40.10	1661	18.5	11.0	74	10	8	5.6E-05
16.40.20	1653	18.5	11.2	81	10	10	6.2E-05
16.40.30	1603	19.1	11.4	71	9	11	5.8E-05
16.40.40	1570	19.3	11.9	84	8	13	9.0E-05
16.40.50	1552	19.3	11.9	87	8	10	7.8E-05
16.41.00	1535	19.3	11.9	73	6	10	7.5E-05
16.41.10	1526	19.4	11.9	73	9	10	6.9E-05
16.41.20	1501	19.6	11.9	79	8	9	7.4E-05
16.41.30	1469	20.0	12.4	85	9	11	9.0E-05
16.41.40	1414	20.6	12.7	89	9	10	9.8E-05
16.41.50	1387	20.8	12.9	90	10	11	1.0E-04
16.42.00	1376	20.9	12.6	88	8	11	8.8E-05
16.42.10	1354	21.1	13.0	77	9	12	8.8E-05
16.42.20	1333	21.1	13.4	77	10	11	8.4E-05
16.42.30	1311	21.3	13.0	77	11	10	7.8E-05
16.42.40	1294	21.3	13.4	74	9	10	7.9E-05
16.42.50	1274	21.4	13.4	73	10	11	8.6E-05
16.43.00	1249	21.6	13.6	77	12	9	9.1E-05
16.43.10	1227	21.8	13.9	75	11	7	8.9E-05
16.43.20	1207	21.9	13.9	72	11	8	8.1E-05
16.43.30	1177	22.2	14.4	79	14	10	8.9E-05
16.43.40	1168	22.0	14.6	79	12	10	9.6E-05
16.43.50	1155	22.0	14.9	86	11	10	1.0E-04
16.44.00	1126	22.2	15.2	80	11	12	1.0E-04
16.44.10	1093	22.5	15.4	87	10	10	1.1E-04
16.44.20	1067	22.7	15.6	86	10	10	1.1E-04
16.44.30	1047	22.8	16.1	90	10	10	1.1E-04
16.44.40	1031	22.7	16.7	90	8	9	1.0E-04
16.44.50	1010	23.0	16.6	83	7	8	1.0E-04
16.45.00	991	23.3	16.2	87	8	8	1.1E-04
16.45.10	970	23.4	16.7	85	6	8	1.1E-04
16.45.20	942	23.2	17.8	93	10	10	1.1E-04
16.45.30	914	23.2	18.4	84	10	12	1.0E-04
16.45.40	888	23.3	18.5	83	10	11	1.0E-04
16.45.50	867	23.5	18.7	85	11	12	1.1E-04
16.46.00	839	23.8	18.6	85	9	12	1.0E-04
16.46.10	809	24.0	18.4	86	10	12	1.0E-04

TABLE 8.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.46.20	799	24.1	18.3	81	11	11	1.0E-04
16.46.30	777	24.3	18.3	81	12	11	1.0E-04
16.46.40	740	24.5	18.6	78	10	11	1.0E-04
16.46.50	702	24.7	18.6	81	10	10	1.0E-04
16.47.00	684	24.7	18.5	77	9	9	1.0E-04
16.47.10	671	24.6	18.7	72	10	10	1.1E-04
16.47.20	657	24.6	18.8	77	10	11	1.1E-04
16.47.30	645	24.6	18.8	69	10	9	1.1E-04
16.47.40	622	24.7	18.9	71	12	10	1.0E-04
16.47.50	589	25.2	19.0	72	10	10	1.0E-04
16.48.00	564	25.5	19.1	68	7	10	1.0E-04
16.48.10	534	25.8	19.2	76	8	11	1.1E-04
16.48.20	508	26.0	19.1	73	9	12	1.0E-04
16.48.30	483	26.1	18.8	71	11	11	1.1E-04
16.48.40	462	26.2	18.9	73	8	9	1.2E-04
16.48.50	437	26.3	19.1	73	9	10	1.2E-04
16.49.00	417	26.2	20.0	66	9	10	1.1E-04
16.49.10	400	26.1	20.3	75	8	13	1.3E-04
16.49.20	378	26.2	20.0	65	11	12	1.4E-04
16.49.30	364	26.2	20.2	59	11	12	1.2E-04
16.49.40	343	26.3	20.3	65	10	11	1.2E-04
S 16.49.50	328	26.4	20.1	67	10	11	1.2E-04
16.50.00	326	26.4	20.2	66	9	10	1.2E-04
16.50.10	328	26.3	20.2	61	11	12	1.2E-04
16.50.20	338	26.2	20.1	59	12	14	1.2E-04
16.50.30	347	26.2	20.0	62	9	13	1.2E-04
16.50.40	343	26.2	20.0	65	9	12	1.2E-04
16.50.50	339	26.3	20.0	61	11	11	1.1E-04
16.51.00	341	26.4	19.6	67	7	10	1.1E-04
16.51.10	344	26.5	19.5	65	9	10	1.1E-04
16.51.20	345	26.5	19.6	64	9	11	1.1E-04
16.51.30	339	26.5	19.4	64	10	11	1.1E-04
16.51.40	337	26.5	19.5	64	9	10	1.0E-04
16.51.50	329	26.7	19.6	63	11	9	1.0E-04
16.52.00	321	26.7	20.0	60	11	9	1.0E-04
16.52.10	320	26.5	20.6	66	10	8	1.1E-04
16.52.20	323	26.5	20.2	71	9	7	1.1E-04
16.52.30	326	26.4	20.2	65	10	8	1.1E-04
16.52.40	328	26.4	20.1	64	9	9	1.1E-04
16.52.50	329	26.4	19.8	67	10	11	1.1E-04
16.53.00	332	26.4	19.7	65	11	11	1.1E-04
16.53.10	336	26.3	19.9	68	11	10	1.0E-04

TABLE 8.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.53.20	338	26.2	20.3	61	10	12	1.1E-04
16.53.30	340	26.2	20.2	67	7	11	1.1E-04
16.53.40	342	26.2	20.0	65	9	12	1.1E-04
16.53.50	345	26.1	20.2	68	9	12	1.1E-04
16.54.00	350	26.0	20.2	61	11	10	1.1E-04
16.54.10	354	26.0	20.0	64	11	8	1.1E-04
16.54.20	356	26.0	19.9	68	12	9	1.1E-04
16.54.30	353	26.1	19.9	64	12	9	1.0E-04
16.54.40	352	26.2	19.8	63	12	10	1.0E-04
16.54.50	351	26.2	19.8	67	12	11	1.0E-04
16.55.00	350	26.2	19.9	63	9	10	1.1E-04
16.55.10	349	26.3	19.8	65	10	10	1.1E-04
16.55.20	348	26.3	19.7	69	10	11	1.0E-04
16.55.30	350	26.3	19.8	61	9	9	1.1E-04
16.55.40	352	26.1	19.9	59	5	9	1.1E-04
16.55.50	354	26.1	20.0	64	8	9	1.1E-04
16.56.00	356	26.2	19.6	65	9	9	1.1E-04
16.56.10	356	26.2	19.5	67	10	7	1.0E-04
16.56.20	356	26.2	19.5	63	11	8	1.0E-04
16.56.30	356	26.3	19.4	64	10	7	1.0E-04
16.56.40	354	26.3	19.3	65	10	9	1.0E-04
16.56.50	354	26.2	19.6	64	9	9	1.0E-04
16.57.00	354	26.1	19.6	61	9	10	1.0E-04
16.57.10	354	26.1	19.5	67	9	9	1.0E-04
16.57.20	353	26.1	19.6	65	9	10	1.0E-04
16.57.30	354	26.0	20.1	65	6	14	1.1E-04
16.57.40	355	25.9	20.0	62	6	11	1.0E-04
16.57.50	356	25.9	19.8	70	7	10	1.0E-04
16.58.00	356	26.0	19.7	67	6	12	1.0E-04
16.58.10	355	26.1	19.5	61	10	11	1.0E-04
16.58.20	354	26.1	19.4	65	10	10	9.8E-05
16.58.30	352	26.1	19.6	64	11	11	1.0E-04
16.58.40	352	26.0	19.6	64	11	12	9.4E-05
16.58.50	355	26.0	19.4	63	8	10	8.5E-05
16.59.00	356	26.0	19.3	63	11	10	7.9E-05
16.59.10	356	26.0	19.2	65	12	11	6.6E-05
16.59.20	358	26.0	19.0	59	10	12	5.7E-05
16.59.30	360	25.9	19.1	61	11	11	5.6E-05
16.59.40	362	25.9	19.2	62	10	9	5.2E-05
16.59.50	362	25.9	19.1	63	10	8	5.5E-05
17.00.00	361	25.9	18.7	63	11	6	4.8E-05
17.00.10	360	25.9	18.7	65	10	8	4.7E-05
17.00.20	357	25.9	19.0	59	8	10	5.5E-05
17.00.30	353	25.9	19.0	72	9	10	5.8E-05
17.00.40	351	26.0	18.8	76	8	8	5.1E-05

TABLE 9.- URBAN PLUME EXPERIMENT, AUGUST 24, 1979: LEG HG

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
17.12.20	292	26.1	20.9	57	8	12	7.6E-05
17.12.30	295	26.0	20.9	59	11	11	7.4E-05
17.12.40	298	26.1	20.3	59	10	11	7.7E-05
17.12.50	303	26.1	19.8	59	7	11	7.3E-05
17.13.00	312	26.0	19.8	65	9	9	7.4E-05
17.13.10	325	26.0	19.3	61	10	8	6.6E-05
17.13.20	333	26.0	18.9	62	9	10	5.9E-05
17.13.30	339	26.1	18.4	57	11	8	5.3E-05
17.13.40	345	26.1	18.3	64	9	9	5.3E-05
17.13.50	349	26.1	18.5	59	9	10	5.2E-05
17.14.00	354	26.0	18.4	64	12	11	5.2E-05
17.14.10	359	26.1	18.4	58	9	11	5.2E-05
17.14.20	365	26.3	18.0	60	8	10	4.6E-05
17.14.30	367	26.5	18.0	63	8	13	4.7E-05
17.14.40	366	26.6	18.2	60	8	13	5.4E-05
17.14.50	365	26.5	18.2	60	9	14	5.7E-05
17.15.00	365	26.6	18.1	61	10	14	5.4E-05
17.15.10	363	26.6	18.1	58	9	12	5.7E-05
17.15.20	363	26.5	18.3	61	10	11	5.5E-05
17.15.30	365	26.6	18.3	63	10	9	5.9E-05
17.15.40	368	26.7	18.5	64	8	7	6.7E-05
17.15.50	372	26.6	18.4	65	9	5	6.8E-05
17.16.00	372	26.5	18.2	62	10	6	6.5E-05
17.16.10	372	26.5	18.3	67	8	7	6.6E-05
17.16.20	371	26.6	18.5	65	7	5	6.7E-05
17.16.30	371	26.7	18.6	63	5	5	7.6E-05
17.16.40	371	26.9	18.7	66	6	6	7.5E-05
17.16.50	371	26.9	18.9	67	8	7	8.5E-05
17.17.00	372	26.9	18.9	63	9	8	1.0E-04
17.17.10	374	26.8	19.0	68	9	6	1.1E-04
17.17.20	374	26.8	19.1	74	11	6	1.2E-04
17.17.30	372	26.9	19.1	67	9	7	1.2E-04
17.17.40	369	26.9	19.2	73	9	9	1.2E-04
17.17.50	368	26.9	19.4	68	10	10	1.3E-04
17.18.00	367	26.9	19.4	67	11	9	1.3E-04
17.18.10	365	26.9	19.4	67	10	12	1.2E-04
17.18.20	363	26.9	19.4	73	9	12	1.2E-04
17.18.30	363	26.9	19.1	69	11	11	1.2E-04
17.18.40	362	26.9	19.5	68	10	12	1.1E-04
17.18.50	361	26.9	19.4	69	8	10	1.1E-04
17.19.00	361	26.8	19.2	65	9	9	1.2E-04
17.19.10	364	26.8	19.4	65	8	8	1.2E-04

TABLE 9.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
17.19.20	366	26.8	19.4	70	6	10	1.2E-04
17.19.30	367	26.8	19.4	67	9	11	1.2E-04
17.19.40	366	26.7	19.5	71	8	11	1.2E-04
17.19.50	366	26.8	19.7	69	9	10	1.3E-04
17.20.00	366	26.8	19.7	69	9	10	1.3E-04
17.20.10	366	26.8	19.8	63	9	10	1.3E-04
17.20.20	368	26.8	19.8	69	9	11	1.3E-04
17.20.30	368	26.8	20.0	71	9	9	1.3E-04
17.20.40	368	26.8	20.1	66	10	8	1.3E-04
17.20.50	367	26.8	20.2	70	8	7	1.3E-04
17.21.00	367	26.8	20.2	64	8	7	1.3E-04
17.21.10	365	26.7	20.0	67	6	8	1.3E-04
17.21.20	365	26.7	19.9	72	8	10	1.3E-04
17.21.30	365	26.6	19.8	70	7	12	1.2E-04
17.21.40	365	26.6	19.6	64	7	11	1.1E-04
17.21.50	367	26.7	19.9	64	8	11	1.2E-04
17.22.00	369	26.7	20.1	63	8	11	1.2E-04
17.22.10	370	26.7	20.2	69	9	9	1.3E-04
17.22.20	372	26.5	19.9	67	8	8	1.3E-04
17.22.30	374	26.5	19.8	62	10	7	1.2E-04
17.22.40	374	26.5	19.9	66	10	9	1.2E-04
17.22.50	374	26.5	20.0	61	8	8	1.2E-04
17.23.00	375	26.4	19.8	66	8	7	1.2E-04
17.23.10	375	26.4	19.7	64	7	8	1.1E-04
17.23.20	372	26.5	20.1	65	11	7	1.3E-04
17.23.30	371	26.5	20.1	68	9	8	1.3E-04
17.23.40	365	26.5	20.2	65	8	10	1.3E-04
17.23.50	355	26.6	19.8	72	9	11	1.2E-04
17.24.00	346	26.7	19.6	63	9	12	1.1E-04
17.24.10	339	26.6	19.6	62	10	10	1.0E-04
17.24.20	332	26.6	19.7	62	9	11	1.0E-04
17.24.30	329	26.4	20.4	66	9	10	1.0E-04
17.24.40	328	26.4	20.3	64	9	8	1.0E-04
17.24.50	328	26.3	20.9	63	7	8	9.3E-05
17.25.00	331	26.4	20.4	61	10	10	9.3E-05
17.25.10	332	26.5	20.4	56	7	12	9.9E-05
17.25.20	329	26.6	20.2	59	9	10	1.0E-04
17.25.30	325	26.6	20.7	66	8	10	1.0E-04
17.25.40	328	26.5	20.8	61	8	10	9.2E-05
17.25.50	324	26.8	20.1	62	10	8	1.2E-04
17.26.00	323	26.7	20.9	69	11	8	1.1E-04
17.26.10	324	26.9	20.9	62	10	9	1.1E-04

TABLE 9.- Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
17.26.20	323	27.4	21.1	68	8	10	1.1E-04
17.26.30	325	27.7	21.6	62	7	11	1.1E-04
17.26.40	324	27.4	21.3	64	8	12	1.1E-04
17.26.50	320	27.3	21.2	64	8	11	1.1E-04
17.27.00	317	26.9	21.0	68	8	11	1.1E-04
17.27.10	315	27.1	20.9	67	9	13	1.1E-04
17.27.20	315	27.1	21.0	62	9	13	1.2E-04
17.27.30	315	27.2	21.1	62	11	11	1.2E-04
17.27.40	315	27.2	21.1	63	9	8	1.1E-04
17.27.50	317	27.1	21.2	63	10	8	1.1E-04
17.28.00	319	27.3	21.3	64	11	7	1.1E-04
17.28.10	317	27.3	21.2	59	10	7	1.1E-04
17.28.20	317	27.6	21.6	65	11	8	1.1E-04
17.28.30	316	27.6	21.6	62	7	9	1.1E-04
17.28.40	316	27.6	21.5	70	7	9	1.1E-04
17.28.50	316	27.6	21.6	61	8	8	1.1E-04
17.29.00	316	27.6	21.6	66	8	7	1.1E-04
17.29.10	313	27.7	21.5	63	9	9	1.1E-04
17.29.20	317	27.7	21.6	71	10	9	1.2E-04
17.29.30	322	27.6	21.6	66	10	9	1.2E-04
17.29.40	320	27.5	21.6	65	8	9	1.1E-04
17.29.50	320	27.4	21.7	65	9	12	1.1E-04
17.30.00	321	27.5	21.8	68	11	11	1.1E-04
17.30.10	321	27.5	21.8	67	12	10	1.1E-04
17.30.20	324	27.4	21.8	66	9	11	1.1E-04
17.30.30	329	27.4	21.8	65	10	10	1.1E-04
17.30.40	334	27.3	21.8	66	8	10	1.1E-04
17.30.50	337	27.3	21.8	64	7	9	1.1E-04
17.31.00	339	27.4	21.9	69	7	10	1.1E-04
17.31.10	342	27.6	22.0	69	9	11	1.2E-04
17.31.20	347	27.5	22.1	73	9	10	1.1E-04
17.31.30	350	27.4	22.1	76	7	12	1.1E-04
17.31.40	352	27.4	22.2	79	9	12	1.1E-04
17.31.50	352	27.3	22.2	72	9	11	1.1E-04
17.32.00	350	27.3	22.2	74	13	11	1.1E-04
17.32.10	350	27.3	22.2	72	9	8	1.1E-04
17.32.20	352	27.3	22.3	73	6	9	1.1E-04
17.32.30	349	27.3	22.3	74	9	10	1.1E-04
17.32.40	349	27.1	22.0	75	9	11	1.1E-04
17.32.50	347	27.1	22.0	71	8	10	1.1E-04
17.33.00	343	27.0	21.9	75	9	11	1.1E-04
17.33.10	338	27.3	22.1	73	10	11	1.1E-04

TABLE 9.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
17.33.20	339	26.8	22.0	78	10	12	1.1E-04
17.33.30	342	26.5	21.9	73	10	12	1.0E-04
17.33.40	345	26.7	22.1	72	12	12	1.1E-04
17.33.50	350	26.9	22.0	68	11	11	1.1E-04
17.34.00	354	27.1	22.1	78	9	10	1.1E-04
17.34.10	358	27.2	22.1	77	10	9	1.1E-04
17.34.20	363	26.7	22.1	78	9	8	1.1E-04
17.34.30	371	26.6	22.1	72	8	7	1.1E-04
17.34.40	375	26.6	22.1	74	10	8	1.1E-04
17.34.50	373	26.7	22.1	71	11	10	1.1E-04
17.35.00	370	26.7	22.1	75	11	12	1.1E-04
17.35.10	371	26.8	22.4	73	10	11	1.0E-04
17.35.20	372	26.9	22.2	72	10	12	1.1E-04
17.35.30	368	26.8	22.2	72	10	12	1.1E-04
17.35.40	365	27.0	22.2	70	11	12	1.1E-04
17.35.50	357	27.2	22.5	76	11	13	1.1E-04

TABLE 10.- URBAN PLUME EXPERIMENT, AUGUST 25, 1979: LEG AB\*

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.35.40	341	24.9	20.3	46	8	7	6.7E-05
08.35.50	361	24.5	18.1	44	7	6	6.5E-05
08.36.00	369	24.6	17.9	42	7	6	6.7E-05
08.36.10	365	24.7	18.6	44	7	6	6.8E-05
08.36.20	362	24.8	21.6	45	9	8	6.8E-05
08.36.30	356	24.9	20.4	46	8	7	6.7E-05
08.36.40	350	24.9	22.0	43	9	8	6.8E-05
08.36.50	351	24.8	22.0	54	9	8	6.8E-05
08.37.00	360	24.3	22.1	40	9	8	4.7E-05
08.37.10	363	25.0	21.8	42	9	8	7.1E-05
08.37.20	360	25.0	21.9	44	9	8	6.6E-05
08.37.30	339	25.0	22.0	41	9	8	6.0E-05
08.37.40	334	25.5	22.0	44	9	8	7.0E-05
08.37.50	344	24.7	22.0	47	9	8	6.5E-05
08.38.00	348	25.0	22.0	31	9	8	6.5E-05
08.38.10	353	25.2	21.8	47	9	8	7.3E-05
08.38.20	351	25.2	21.8	50	9	8	6.8E-05
08.38.30	348	25.3	21.6	46	9	8	7.1E-05
08.38.40	353	25.2	21.7	47	9	8	7.2E-05
08.38.50	347	25.2	21.6	49	9	8	6.5E-05
08.39.00	349	25.3	21.6	46	9	8	7.0E-05
08.39.10	351	25.3	21.6	45	9	8	7.1E-05
08.39.20	350	25.3	21.5	48	9	8	7.0E-05
08.39.30	351	25.1	21.8	47	9	8	6.1E-05
08.39.40	345	25.1	22.0	46	9	8	5.8E-05
08.39.50	346	25.0	22.0	38	9	8	6.0E-05
08.40.00	352	25.0	22.0	40	9	8	6.2E-05
08.40.10	350	25.1	21.9	42	9	8	6.3E-05
08.40.20	349	25.0	22.0	37	9	8	6.0E-05
08.40.30	350	24.9	22.2	43	9	8	5.4E-05
08.40.40	351	24.8	22.3	45	9	8	4.8E-05
08.40.50	348	24.9	22.4	33	9	8	4.4E-05
08.41.00	349	25.1	22.0	44	9	8	6.1E-05
08.41.10	352	24.9	22.1	42	9	8	5.5E-05
08.41.20	348	25.1	22.0	38	9	8	5.5E-05
08.41.30	350	25.0	22.0	45	9	8	5.6E-05
08.41.40	347	24.9	22.0	40	9	8	5.1E-05
08.41.50	345	25.0	21.8	38	9	8	5.4E-05
08.42.00	349	25.0	21.8	38	9	8	5.2E-05
08.42.10	350	25.0	21.9	44	9	8	5.0E-05
08.42.20	347	25.1	21.8	41	9	8	5.6E-05
08.42.30	347	24.9	21.9	45	9	8	5.1E-05



TABLE 10 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.42.40	345	25.1	21.8	41	9	8	5.4E-05
08.42.50	350	25.0	21.8	40	9	8	5.3E-05
08.43.00	347	25.0	21.8	42	9	8	5.2E-05
08.43.10	347	24.8	22.1	38	8	8	4.6E-05
08.43.20	349	24.8	22.1	39	9	8	4.5E-05
08.43.30	349	24.8	22.0	35	8	8	5.0E-05
08.43.40	350	24.9	22.0	42	9	8	4.8E-05
08.43.50	350	24.9	22.0	39	9	8	4.4E-05
08.44.00	348	25.0	21.8	39	9	8	5.0E-05
08.44.10	350	25.1	21.7	40	9	8	4.9E-05
08.44.20	350	25.0	21.9	43	8	8	4.3E-05
08.44.30	349	25.1	22.0	38	9	8	4.6E-05
08.44.40	349	25.1	22.0	39	8	8	4.4E-05
08.44.50	348	25.2	21.9	38	9	8	4.9E-05
08.45.00	349	25.1	21.7	44	9	8	4.8E-05
08.45.10	350	25.1	21.6	39	9	8	4.9E-05
08.45.20	349	25.1	21.9	40	9	8	4.5E-05
08.45.30	348	25.2	21.9	33	8	8	4.2E-05
08.45.40	350	25.3	21.6	39	9	8	4.5E-05
08.45.50	350	25.2	21.6	37	8	8	4.6E-05
08.46.00	350	25.3	21.5	41	8	8	4.8E-05
08.46.10	349	25.3	20.9	43	9	8	5.1E-05
08.46.20	350	25.2	20.4	44	9	8	5.3E-05
08.46.30	350	25.2	20.6	41	8	8	5.3E-05
08.46.40	349	25.2	20.6	45	8	8	5.1E-05
08.46.50	349	25.2	20.9	42	9	8	4.6E-05
08.47.00	347	25.2	20.9	39	8	8	4.1E-05
08.47.10	351	25.2	21.0	37	9	8	4.4E-05
08.47.20	352	25.1	21.1	35	8	8	4.3E-05
08.47.30	351	25.2	20.7	36	8	8	4.0E-05
08.47.40	350	25.0	21.5	36	8	8	3.7E-05
08.47.50	352	25.1	21.1	31	8	7	3.9E-05
08.48.00	350	25.1	21.1	36	9	8	3.7E-05
08.48.10	349	25.2	20.8	34	8	8	3.8E-05
08.48.20	350	25.3	20.5	34	8	7	3.7E-05
08.48.30	349	25.4	20.3	36	8	7	3.7E-05
08.48.40	350	25.3	20.3	37	8	7	3.9E-05
08.48.50	350	25.3	20.2	38	8	7	3.7E-05
08.49.00	348	25.3	20.2	35	8	7	3.5E-05
08.49.10	350	25.4	20.0	38	8	7	3.7E-05
08.49.20	350	25.3	20.2	33	8	7	3.9E-05
08.49.30	351	25.4	20.0	31	8	8	3.8E-05

TABLE 10 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.49.40	350	25.4	20.2	35	9	8	3.9E-05
08.49.50	349	25.4	20.9	36	8	7	3.7E-05
08.50.00	348	25.4	20.2	34	8	7	3.9E-05
08.50.10	350	25.3	20.2	35	8	7	3.8E-05
08.50.20	349	25.2	20.9	35	8	7	3.6E-05
08.50.30	348	25.2	20.2	29	8	7	3.3E-05
08.50.40	350	25.2	20.5	34	8	7	3.5E-05
08.50.50	348	25.2	20.9	33	9	8	3.4E-05
08.51.00	350	25.1	21.3	31	8	8	3.5E-05
08.51.10	348	25.1	21.3	34	8	7	3.3E-05
08.51.20	349	25.1	21.6	34	8	7	3.3E-05
08.51.30	350	25.0	21.9	37	8	7	3.7E-05
08.51.40	349	24.9	22.3	37	8	7	3.6E-05
08.51.50	347	24.8	22.2	33	8	8	4.3E-05
08.52.00	337	24.7	22.2	36	8	7	4.2E-05
S 08.52.10	313	24.8	22.0	33	8	7	3.7E-05
08.52.20	287	25.0	22.2	34	9	8	4.4E-05
08.52.30	254	25.3	22.4	38	9	8	4.6E-05
08.52.40	201	25.5	23.1	39	8	7	5.1E-05
08.52.50	179	24.8	23.2	36	8	7	8.2E-05
08.53.00	157	25.1	23.2	28	8	8	8.6E-05
08.53.10	139	24.8	23.4	26	8	7	1.0E-04
08.53.20	130	24.7	23.5	37	8	8	1.2E-04
08.53.30	128	24.7	23.5	27	8	7	1.2E-04
08.53.40	133	24.7	23.4	30	8	7	1.1E-04
08.53.50	120	24.9	23.5	30	8	7	1.1E-04
08.54.00	110	24.9	23.5	31	8	7	1.2E-04
08.54.10	114	25.0	23.5	23	9	8	1.2E-04
08.54.20	146	24.8	23.4	31	9	8	1.1E-04
08.54.30	176	24.8	23.2	27	8	8	9.4E-05
08.54.40	203	24.4	23.2	25	8	7	1.0E-04
08.54.50	249	24.5	23.0	29	8	7	6.8E-05
08.55.00	281	24.5	22.7	38	8	7	5.0E-05
08.55.10	306	24.4	22.2	34	8	7	4.3E-05
08.55.20	336	24.3	22.2	39	8	7	4.1E-05
08.55.30	362	24.1	22.1	36	8	7	3.8E-05
08.55.40	393	24.0	21.6	38	8	7	3.8E-05
08.55.50	421	23.9	21.2	31	8	7	3.9E-05
08.56.00	442	23.8	20.5	40	8	7	3.9E-05
08.56.10	469	23.8	20.5	32	8	7	3.9E-05
08.56.20	495	23.6	20.5	37	8	7	4.2E-05
08.56.30	522	23.4	20.0	36	8	8	4.1E-05

TABLE 10 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.56.40	549	23.3	19.9	34	8	8	4.3E-05
08.56.50	574	23.2	19.9	33	8	7	4.1E-05
08.57.00	595	23.3	18.6	41	8	7	4.1E-05
08.57.10	624	23.1	18.2	39	8	7	3.9E-05
08.57.20	646	23.0	18.1	40	8	7	3.8E-05
08.57.30	672	22.9	17.4	41	8	7	3.9E-05
08.57.40	701	22.7	17.8	46	8	7	4.1E-05
08.57.50	725	22.5	18.2	47	8	7	3.9E-05
08.58.00	742	22.4	18.3	40	8	7	3.9E-05
08.58.10	765	22.2	17.9	47	8	7	4.2E-05
08.58.20	797	22.0	17.9	39	8	7	4.1E-05
08.58.30	825	21.8	17.2	41	8	7	4.6E-05
08.58.40	850	21.7	16.7	46	8	7	4.8E-05
08.58.50	880	21.4	16.5	47	8	7	4.8E-05
08.59.00	902	21.3	15.8	48	8	7	5.1E-05
08.59.10	923	21.3	15.0	49	8	7	5.8E-05
08.59.20	949	21.1	15.2	56	8	7	6.0E-05
08.59.30	971	20.9	15.2	57	8	7	5.6E-05
08.59.40	995	20.8	15.0	54	8	7	6.1E-05
08.59.50	1019	20.7	14.7	57	8	7	6.7E-05
09.00.00	1043	20.6	14.2	60	8	7	7.8E-05
09.00.10	1070	20.6	13.8	62	8	7	7.7E-05
09.00.20	1095	20.5	13.7	63	8	7	8.1E-05
09.00.30	1119	20.4	13.4	64	8	7	8.0E-05
09.00.40	1149	20.2	13.8	61	8	7	6.5E-05
09.00.50	1169	20.0	13.7	67	8	7	5.9E-05
09.01.00	1171	20.1	13.7	63	8	7	5.5E-05
09.01.10	1209	19.7	13.9	66	8	7	5.4E-05
09.01.20	1226	19.6	14.1	63	8	8	5.4E-05
09.01.30	1251	19.3	14.0	62	8	7	5.6E-05
09.01.40	1277	19.1	13.9	58	8	7	5.0E-05
09.01.50	1309	18.9	13.6	58	8	7	5.6E-05
09.02.00	1339	18.6	13.5	59	8	7	5.4E-05
09.02.10	1362	18.4	13.6	59	8	7	5.8E-05
09.02.20	1392	18.0	15.2	59	8	7	5.0E-05
09.02.30	1419	17.7	15.4	53	8	7	4.5E-05
09.02.40	1442	17.6	14.8	53	8	7	4.3E-05
09.02.50	1460	17.6	14.9	57	8	7	3.6E-05
09.03.00	1483	17.5	14.4	58	8	7	3.4E-05
09.03.10	1511	17.4	13.4	64	8	7	3.8E-05
09.03.20	1538	17.3	12.4	60	8	7	4.2E-05
09.03.30	1564	17.2	11.4	62	8	7	3.9E-05

TABLE 10 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.03.40	1585	17.1	11.2	65	8	7	3.6E-05
09.03.50	1603	17.0	11.5	69	8	7	3.6E-05
09.04.00	1628	16.9	12.8	66	8	7	3.4E-05
09.04.10	1630	16.9	13.0	58	8	7	3.3E-05
09.04.20	1629	16.9	13.1	59	8	7	2.9E-05
09.04.30	1627	16.9	13.2	57	8	7	2.9E-05
09.04.40	1620	17.0	13.0	55	8	7	3.3E-05
09.04.50	1593	17.3	12.4	56	8	7	3.2E-05
09.05.00	1561	17.7	11.4	61	8	7	3.8E-05
09.05.10	1537	18.0	11.8	67	8	7	3.9E-05
09.05.20	1510	18.3	12.0	66	8	7	3.7E-05
09.05.30	1484	18.3	13.1	64	8	7	4.1E-05
09.05.40	1466	18.3	14.6	60	8	7	3.9E-05
09.05.50	1440	18.3	15.0	58	8	7	4.1E-05
09.06.00	1418	18.4	15.2	57	8	7	4.6E-05
09.06.10	1393	18.5	15.4	57	8	8	5.2E-05
09.06.20	1374	18.7	15.5	57	8	7	4.8E-05
09.06.30	1357	18.8	15.5	58	8	7	5.0E-05
09.06.40	1335	19.0	15.5	57	8	7	5.1E-05
09.06.50	1326	19.1	15.3	54	8	7	5.5E-05
09.07.00	1308	19.4	14.5	57	8	7	5.3E-05
09.07.10	1286	19.7	14.0	64	8	7	5.2E-05
09.07.20	1262	19.9	13.6	57	8	7	4.9E-05
09.07.30	1237	20.1	13.7	62	8	7	5.0E-05
09.07.40	1207	20.3	13.9	61	8	7	5.1E-05
09.07.50	1179	20.5	14.0	62	8	8	5.7E-05
09.08.00	1147	20.8	13.9	63	8	8	5.4E-05
09.08.10	1116	21.1	13.8	59	8	7	5.0E-05
09.08.20	1086	21.3	13.9	63	8	7	5.5E-05
09.08.30	1056	21.5	13.8	60	8	7	5.9E-05
09.08.40	1037	21.7	13.2	63	8	7	7.1E-05
09.08.50	1014	21.8	13.2	65	8	7	7.3E-05
09.09.00	997	21.8	13.5	68	8	7	8.2E-05
09.09.10	979	21.8	14.0	63	8	7	8.4E-05
09.09.20	964	21.9	14.2	64	8	7	8.0E-05
09.09.30	942	22.0	14.7	65	8	7	7.4E-05
09.09.40	923	22.1	15.0	54	8	7	6.4E-05
09.09.50	896	22.3	14.8	50	8	7	6.4E-05
09.10.00	867	22.4	16.2	53	8	7	5.3E-05
09.10.10	846	22.5	16.7	45	8	7	4.7E-05
09.10.20	821	22.7	16.8	46	8	7	4.9E-05
09.10.30	788	23.0	16.8	47	8	7	4.8E-05

TABLE 10 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.10.40	765	23.2	17.0	47	8	7	5.2E-05
09.10.50	740	23.4	17.2	46	8	7	5.1E-05
09.11.00	721	23.3	17.9	42	8	7	4.8E-05
09.11.10	704	23.4	17.8	45	8	7	4.8E-05
09.11.20	687	23.5	17.8	44	8	7	4.2E-05
09.11.30	665	23.8	17.7	37	8	8	3.9E-05
09.11.40	644	24.1	17.2	45	8	7	3.9E-05
09.11.50	624	24.2	17.3	48	8	7	3.7E-05
09.12.00	596	24.3	17.8	39	8	7	3.9E-05
09.12.10	570	24.5	17.8	41	8	7	4.3E-05
09.12.20	547	24.8	17.6	45	8	7	4.0E-05
09.12.30	532	25.0	17.6	42	8	7	3.9E-05
09.12.40	519	25.0	17.8	45	8	7	4.4E-05
09.12.50	492	25.1	18.3	41	8	7	4.5E-05
09.13.00	467	24.9	19.6	41	8	7	4.0E-05
09.13.10	448	25.1	19.4	38	8	7	4.0E-05
09.13.20	428	24.7	21.3	39	8	7	3.8E-05
09.13.30	415	24.7	21.8	30	8	7	3.4E-05
09.13.40	399	24.8	21.7	34	8	8	3.4E-05
09.13.50	387	24.9	21.9	32	8	8	3.4E-05
09.14.00	384	24.8	21.8	37	7	7	3.9E-05
09.14.10	361	25.0	21.5	35	7	6	3.9E-05
S 09.14.20	350	25.1	20.8	34	7	6	4.0E-05
09.14.30	357	24.7	21.8	35	7	6	4.4E-05
09.14.40	367	25.0	21.4	32	7	6	4.2E-05
09.14.50	357	25.0	21.4	35	7	6	4.0E-05
09.15.00	356	24.6	22.7	33	8	7	4.9E-05
09.15.10	360	24.6	22.3	32	8	7	3.6E-05
09.15.20	363	24.7	22.0	33	8	8	3.7E-05
09.15.30	360	24.7	22.1	32	8	7	3.7E-05
09.15.40	351	24.8	22.0	28	8	7	3.5E-05
09.15.50	353	24.8	22.0	28	8	7	3.6E-05
09.16.00	358	24.6	22.0	30	8	7	4.1E-05
09.16.10	355	24.8	22.1	31	8	7	4.1E-05
09.16.20	355	25.0	21.4	35	8	7	4.2E-05
09.16.30	360	25.0	21.3	34	8	7	4.1E-05
09.16.40	358	25.0	21.4	43	7	7	4.0E-05
09.16.50	353	25.1	21.4	40	7	6	4.0E-05
09.17.00	355	25.1	21.3	33	7	6	4.1E-05
09.17.10	358	24.9	21.9	37	7	7	4.3E-05
09.17.20	354	24.9	21.8	30	8	7	4.5E-05
09.17.30	353	25.1	21.4	37	8	7	4.2E-05

TABLE 10 - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.17.40	358	25.0	21.4	36	8	7	3.9E-05
09.17.50	356	25.0	21.3	41	8	7	4.2E-05
09.18.00	357	25.1	21.2	41	8	7	4.3E-05
09.18.10	356	25.1	21.1	39	8	7	4.3E-05
09.18.20	358	25.1	21.0	39	8	7	4.8E-05
09.18.30	354	25.3	20.9	40	8	7	4.5E-05
09.18.40	354	25.2	21.2	41	8	7	4.8E-05
09.18.50	356	25.1	21.3	37	8	7	5.2E-05
09.19.00	358	24.8	22.2	42	7	6	4.7E-05
09.19.10	354	24.9	21.8	34	7	6	5.1E-05
09.19.20	354	24.7	22.1	35	7	6	5.6E-05
09.19.30	356	25.3	20.7	40	7	6	4.6E-05
09.19.40	356	24.8	21.5	38	8	7	5.2E-05
09.19.50	356	24.7	22.0	33	8	7	6.6E-05
09.20.00	354	25.1	20.8	34	8	7	6.1E-05
09.20.10	357	25.4	20.2	38	8	7	4.9E-05
09.20.20	358	25.4	20.1	42	8	7	4.7E-05
09.20.30	355	25.3	20.4	43	8	7	4.6E-05
09.20.40	355	25.4	20.3	34	8	7	4.7E-05
09.20.50	355	25.3	20.4	43	8	7	4.6E-05
09.21.00	356	25.5	20.0	40	7	6	4.7E-05
09.21.10	356	25.4	20.2	41	7	6	4.6E-05
09.21.20	350	25.6	20.0	40	7	6	4.2E-05
09.21.30	355	25.4	20.3	40	7	6	4.3E-05
09.21.40	356	25.1	20.7	43	8	7	4.7E-05
09.21.50	352	25.2	20.5	39	8	7	5.0E-05
09.22.00	356	25.0	21.3	40	8	7	4.9E-05
09.22.10	355	24.9	21.6	39	8	7	4.9E-05
09.22.20	354	24.9	21.5	39	8	7	5.5E-05
09.22.30	356	24.9	21.6	37	8	7	5.1E-05
09.22.40	352	24.8	21.8	36	8	7	5.0E-05
09.22.50	354	24.9	21.4	34	8	7	4.9E-05
09.23.00	355	25.3	20.6	32	7	6	4.1E-05
09.23.10	360	24.7	21.9	36	7	6	5.4E-05

TABLE 11.- URBAN PLUME EXPERIMENT, AUGUST 25, 1979: LEG FE\*

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.36.50	297	25.6	21.4	35	10	12	4.9E-05
09.37.00	302	25.6	21.4	37	10	10	4.9E-05
09.37.10	294	25.7	21.4	34	11	11	4.9E-05
09.37.20	293	25.7	21.1	33	10	12	4.7E-05
09.37.30	295	25.8	20.9	34	11	13	4.5E-05
09.37.40	295	25.7	20.8	31	10	13	4.9E-05
09.37.50	297	25.7	20.7	35	9	12	4.8E-05
09.38.00	292	26.0	19.4	35	9	10	4.1E-05
09.38.10	292	26.1	19.5	36	9	12	3.8E-05
09.38.20	296	26.0	19.6	38	11	13	4.1E-05
09.38.30	293	25.9	20.0	30	12	12	3.8E-05
09.38.40	293	25.8	20.3	29	10	11	3.9E-05
09.38.50	294	25.7	20.9	39	9	9	3.9E-05
09.39.00	293	25.8	20.7	34	9	9	4.2E-05
09.39.10	295	25.8	20.7	33	10	9	4.0E-05
09.39.20	297	25.7	20.9	35	11	11	4.0E-05
09.39.30	294	25.6	21.3	30	10	9	4.2E-05
09.39.40	293	25.5	21.5	33	10	10	4.2E-05
09.39.50	295	25.4	21.6	33	10	10	4.4E-05
09.40.00	295	25.3	21.9	28	11	11	4.3E-05
09.40.10	295	25.1	22.1	30	10	10	4.4E-05
09.40.20	295	25.2	21.6	35	10	11	4.9E-05
09.40.30	296	25.1	21.7	39	11	12	4.9E-05
09.40.40	296	25.0	21.6	33	11	12	5.5E-05
09.40.50	296	25.4	20.9	36	11	12	5.5E-05
09.41.00	297	25.3	21.2	45	10	12	5.5E-05
09.41.10	293	25.2	21.6	42	10	13	5.7E-05
09.41.20	293	25.0	21.8	36	11	14	5.6E-05
09.41.30	298	25.0	21.9	34	10	14	5.7E-05
09.41.40	297	25.0	22.0	34	9	13	5.7E-05
09.41.50	295	25.1	21.9	40	10	13	6.1E-05
09.42.00	293	25.0	22.0	39	10	13	5.8E-05
09.42.10	295	25.0	22.1	37	10	12	5.9E-05
09.42.20	294	25.1	22.2	36	11	13	6.0E-05
09.42.30	295	25.0	22.3	38	13	16	6.1E-05
09.42.40	295	25.1	22.3	38	13	16	6.3E-05
09.42.50	294	25.1	22.3	35	14	15	6.2E-05
09.43.00	295	25.1	22.3	33	15	16	6.2E-05
09.43.10	295	25.0	22.4	31	14	18	6.4E-05
09.43.20	294	24.9	22.4	36	14	18	7.0E-05
09.43.30	293	24.8	22.5	30	15	18	7.5E-05
09.43.40	294	24.7	22.5	37	13	19	7.9E-05

TABLE 11 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.43.50	295	24.7	22.5	36	9	18	8.5E-05
09.44.00	295	24.7	22.6	35	11	20	8.8E-05
09.44.10	294	24.8	22.5	36	12	20	9.4E-05
09.44.20	293	24.7	22.5	35	12	19	9.4E-05
09.44.30	294	24.7	22.5	41	12	20	9.2E-05
09.44.40	295	24.8	22.5	41	12	19	8.4E-05
09.44.50	294	24.8	22.4	40	12	19	7.5E-05
09.45.00	293	24.9	22.4	36	13	19	6.8E-05
09.45.10	293	25.0	22.4	41	9	17	6.1E-05
09.45.20	294	25.2	22.2	44	10	16	5.7E-05
09.45.30	294	25.2	22.2	41	11	15	5.4E-05
09.45.40	292	25.2	22.2	39	11	15	5.5E-05
09.45.50	292	25.1	22.2	42	11	14	5.6E-05
09.46.00	293	24.9	22.3	36	11	12	5.7E-05
09.46.10	297	25.0	22.3	42	10	11	6.2E-05
09.46.20	295	25.0	22.3	41	10	13	5.9E-05
09.46.30	293	24.9	22.4	37	10	14	6.3E-05
09.46.40	295	24.8	22.5	34	10	13	6.6E-05
09.46.50	297	24.7	22.5	41	12	12	6.8E-05
09.47.00	295	24.7	22.5	38	12	13	6.7E-05
09.47.10	295	24.9	22.4	35	12	15	6.4E-05
09.47.20	296	24.9	22.3	39	9	15	6.1E-05
09.47.30	295	24.9	22.4	37	11	14	6.5E-05
09.47.40	292	24.7	22.4	37	11	14	5.8E-05
09.47.50	295	24.8	22.4	42	12	12	5.9E-05
09.48.00	296	24.8	22.4	40	9	12	6.1E-05
09.48.10	294	24.9	22.3	41	10	11	6.7E-05
09.48.20	295	24.9	22.4	38	9	11	6.7E-05
S 09.48.30	297	24.7	22.4	38	9	13	6.8E-05
09.48.40	288	24.7	22.3	41	10	14	7.5E-05
09.48.50	254	24.9	22.3	41	10	15	7.5E-05
09.49.00	220	25.1	22.6	42	9	13	7.5E-05
09.49.10	196	25.1	22.7	40	12	12	7.5E-05
09.49.20	177	25.1	22.7	36	12	11	7.2E-05
09.49.30	151	25.3	22.9	39	12	13	6.6E-05
09.49.40	126	25.7	22.9	43	11	14	6.8E-05
09.49.50	126	25.6	23.0	35	12	13	7.1E-05
09.50.00	129	25.6	23.0	34	12	13	7.1E-05
09.50.10	130	25.5	22.9	33	11	14	6.6E-05
09.50.20	134	25.3	22.9	39	11	13	6.7E-05
09.50.30	141	25.1	22.9	36	9	14	6.9E-05
09.50.40	147	25.0	22.8	39	11	14	7.3E-05



TABLE 11 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.50.50	157	25.0	22.7	36	10	13	7.7E-05
09.51.00	180	25.0	22.7	34	10	11	7.4E-05
09.51.10	205	24.9	22.7	37	12	9	7.3E-05
09.51.20	229	24.7	22.6	42	11	9	6.6E-05
09.51.30	253	24.5	22.5	41	11	9	6.1E-05
09.51.40	282	24.6	22.4	38	11	10	5.9E-05
09.51.50	304	24.5	22.4	43	10	11	5.8E-05
09.52.00	329	24.3	22.3	34	9	12	6.1E-05
09.52.10	361	24.2	21.9	39	7	11	6.8E-05
09.52.20	389	24.2	21.4	42	8	10	7.0E-05
09.52.30	414	24.5	20.5	48	8	10	6.6E-05
09.52.40	440	24.5	20.3	42	10	11	6.5E-05
09.52.50	461	24.3	20.6	49	10	10	6.7E-05
09.53.00	477	24.1	20.6	46	11	9	6.5E-05
09.53.10	524	23.9	20.2	48	10	11	5.9E-05
09.53.20	544	23.8	20.0	48	13	12	6.0E-05
09.53.30	546	23.9	19.8	49	13	12	5.7E-05
09.53.40	574	23.8	20.0	51	11	9	5.5E-05
09.53.50	608	23.6	20.0	41	11	10	5.0E-05
09.54.00	643	23.3	19.6	45	10	8	5.3E-05
09.54.10	673	23.1	19.2	47	8	8	5.6E-05
09.54.20	701	22.9	18.9	54	8	7	5.5E-05
09.54.30	726	22.7	19.1	51	7	7	5.2E-05
09.54.40	749	22.6	18.3	49	8	8	5.3E-05
09.54.50	771	22.5	18.3	49	9	8	5.0E-05
09.55.00	799	22.3	17.9	52	10	9	5.3E-05
09.55.10	825	22.2	18.0	56	10	9	5.5E-05
09.55.20	859	21.9	18.0	53	8	11	5.2E-05
09.55.30	887	21.7	18.0	51	10	12	4.9E-05
09.55.40	915	21.5	18.2	54	9	11	4.7E-05
09.55.50	946	21.2	18.1	47	9	10	4.3E-05
09.56.00	965	21.1	17.8	48	10	10	4.4E-05
09.56.10	988	21.0	17.9	50	8	9	4.2E-05
09.56.20	1004	20.9	17.7	48	9	10	4.3E-05
09.56.30	1017	20.8	17.6	51	10	9	4.3E-05
09.56.40	1045	20.6	17.6	45	8	10	4.5E-05
09.56.50	1079	20.2	17.7	46	11	12	4.7E-05
09.57.00	1096	20.2	17.6	45	11	11	4.4E-05
09.57.10	1137	19.8	17.4	46	9	11	4.0E-05
09.57.20	1175	19.4	17.2	48	10	11	3.9E-05
09.57.30	1200	19.2	16.9	49	10	10	4.4E-05
09.57.40	1234	19.1	16.5	47	11	11	4.6E-05

TABLE 11 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.57.50	1263	19.1	15.8	52	9	10	4.5E-05
09.58.00	1280	19.2	15.2	55	10	10	4.6E-05
09.58.10	1271	19.5	15.3	57	11	9	4.5E-05
09.58.20	1284	19.4	15.4	54	9	9	4.7E-05
09.58.30	1323	19.1	14.8	52	9	10	4.2E-05
09.58.40	1355	18.8	14.8	55	10	10	4.2E-05
09.58.50	1388	18.5	14.6	55	9	10	3.6E-05
09.59.00	1413	18.3	14.2	56	11	10	3.4E-05
09.59.10	1448	18.0	14.4	58	8	11	3.1E-05
09.59.20	1484	17.9	14.3	58	9	11	2.7E-05
09.59.30	1521	17.6	14.1	56	10	10	2.2E-05
09.59.40	1546	17.4	14.1	54	9	9	2.6E-05
09.59.50	1563	17.3	14.0	53	8	9	2.4E-05
10.00.00	1591	17.1	14.0	54	10	10	2.6E-05
10.00.10	1626	17.0	13.3	52	9	11	2.0E-05
10.00.20	1635	17.1	12.9	56	9	11	1.8E-05
10.00.30	1629	17.1	13.1	54	8	11	1.8E-05
10.00.40	1630	16.9	13.1	55	8	10	1.9E-05
10.00.50	1622	17.1	13.0	52	10	10	2.5E-05
10.01.00	1581	17.5	13.3	55	9	10	2.2E-05
10.01.10	1542	17.8	13.6	53	9	11	2.3E-05
10.01.20	1510	18.1	14.1	56	9	11	2.5E-05
10.01.30	1480	18.3	14.5	57	10	10	2.9E-05
10.01.40	1461	18.5	14.5	57	10	10	2.5E-05
10.01.50	1434	18.7	14.6	57	9	11	2.6E-05
10.02.00	1401	19.0	14.6	59	10	11	2.6E-05
10.02.10	1376	19.2	14.3	57	9	11	3.0E-05
10.02.20	1348	19.4	14.6	57	11	11	3.6E-05
10.02.30	1320	19.6	14.8	52	9	11	4.1E-05
10.02.40	1301	19.6	15.5	58	8	10	4.3E-05
10.02.50	1282	19.7	15.8	52	7	10	4.6E-05
10.03.00	1249	20.0	15.9	54	7	9	4.7E-05
10.03.10	1221	20.2	16.0	51	9	8	4.5E-05
10.03.20	1186	20.4	16.3	50	9	10	4.5E-05
10.03.30	1155	20.6	16.5	49	9	11	4.1E-05
10.03.40	1122	20.9	16.7	54	9	11	4.0E-05
10.03.50	1098	21.1	17.0	54	11	10	4.2E-05
10.04.00	1082	21.1	17.2	51	11	10	4.0E-05
10.04.10	1052	21.2	17.7	46	11	11	4.1E-05
10.04.20	1034	21.3	17.7	46	10	11	4.6E-05
10.04.30	1015	21.4	17.7	50	9	10	4.4E-05
10.04.40	997	21.5	17.8	49	11	9	4.2E-05

TABLE 11 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.04.50	981	21.6	17.6	49	9	9	4.3E-05
10.05.00	960	21.6	18.0	46	10	10	4.5E-05
10.05.10	936	21.7	18.3	44	8	11	4.1E-05
10.05.20	903	22.1	18.4	45	8	10	4.2E-05
10.05.30	880	22.3	18.6	42	9	11	4.4E-05
10.05.40	859	22.5	18.5	47	9	12	4.5E-05
10.05.50	839	22.7	18.5	49	9	11	4.7E-05
10.06.00	801	23.1	18.2	47	9	11	4.6E-05
10.06.10	774	23.4	17.8	59	7	12	5.1E-05
10.06.20	745	23.5	17.9	66	7	10	5.0E-05
10.06.30	724	23.5	18.7	54	8	11	5.1E-05
10.06.40	705	23.5	18.8	56	9	11	5.6E-05
10.06.50	678	23.7	19.0	48	8	12	5.3E-05
10.07.00	656	23.8	19.2	52	9	11	5.5E-05
10.07.10	638	24.0	19.1	46	9	10	5.3E-05
10.07.20	617	24.1	19.4	50	12	9	5.0E-05
10.07.30	582	24.4	19.5	45	11	8	5.2E-05
10.07.40	552	24.6	19.8	44	10	8	5.1E-05
10.07.50	521	24.7	19.8	46	8	9	5.7E-05
10.08.00	507	24.8	19.8	47	10	7	5.8E-05
10.08.10	483	25.0	19.9	49	8	9	6.2E-05
10.08.20	461	25.2	19.9	50	8	10	6.4E-05
10.08.30	444	25.2	20.0	49	8	11	6.2E-05
10.08.40	430	25.3	20.0	50	7	11	6.4E-05
10.08.50	395	25.4	20.5	47	9	11	6.7E-05
10.09.00	366	25.3	21.4	49	8	11	7.2E-05
10.09.10	344	25.3	21.8	47	9	11	7.0E-05
10.09.20	328	25.3	21.8	39	12	11	6.9E-05
S 10.09.30	321	25.2	21.7	44	12	11	7.6E-05
10.09.40	308	25.2	21.8	47	11	10	7.7E-05
10.09.50	312	25.2	21.8	44	12	10	7.9E-05
10.10.00	320	25.2	21.7	48	11	10	7.9E-05
10.10.10	317	25.3	21.7	45	10	11	8.7E-05
10.10.20	314	25.2	21.8	52	9	11	8.9E-05
10.10.30	311	25.2	22.0	48	9	11	8.7E-05
10.10.40	303	25.2	22.0	45	10	14	8.8E-05
10.10.50	292	25.4	21.9	50	11	13	8.7E-05
10.11.00	284	25.3	22.4	46	11	12	9.0E-05
10.11.10	288	25.2	22.4	49	10	11	9.0E-05
10.11.20	291	25.1	22.5	49	9	11	9.4E-05
10.11.30	292	25.1	22.5	45	10	13	8.8E-05
10.11.40	293	25.0	22.6	42	10	12	8.6E-05

TABLE 11 - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.11.50	294	25.0	22.7	47	10	15	8.8E-05
10.12.00	297	25.1	22.6	40	11	16	8.9E-05
10.12.10	292	25.0	22.7	42	12	17	9.3E-05
10.12.20	291	24.9	22.8	44	11	17	8.9E-05
10.12.30	293	24.9	22.7	42	10	17	9.0E-05
10.12.40	294	24.9	22.7	46	10	16	9.1E-05
10.12.50	294	25.1	22.5	41	9	16	8.9E-05
10.13.00	290	25.1	22.3	40	9	15	8.9E-05
10.13.10	290	25.0	22.5	45	8	14	9.0E-05
10.13.20	292	24.9	22.6	44	11	13	9.4E-05
10.13.30	292	25.1	22.6	46	12	12	9.4E-05
10.13.40	291	25.3	22.6	48	10	12	9.1E-05
10.13.50	291	25.0	22.8	39	8	11	9.6E-05
10.14.00	292	25.1	22.5	44	8	11	9.6E-05
10.14.10	292	25.0	22.8	47	8	11	9.5E-05
10.14.20	294	25.2	22.5	44	8	10	9.3E-05
10.14.30	292	25.1	22.7	43	10	10	9.2E-05
10.14.40	293	25.4	22.3	40	10	11	8.8E-05
10.14.50	290	26.1	21.3	47	11	13	8.6E-05
10.15.00	288	25.4	22.7	53	10	12	9.3E-05
10.15.10	296	25.3	22.7	43	9	12	8.8E-05
10.15.20	291	25.4	22.6	42	13	11	8.8E-05
10.15.30	292	25.6	22.2	47	10	12	8.7E-05
10.15.40	290	25.3	22.6	44	11	10	8.9E-05
10.15.50	295	25.4	22.3	41	11	10	8.7E-05
10.16.00	293	25.5	22.1	44	9	11	8.7E-05
10.16.10	292	25.2	22.5	49	9	12	8.8E-05
10.16.20	292	25.6	22.1	45	9	13	8.7E-05
10.16.30	291	25.5	22.5	51	8	13	8.6E-05
10.16.40	294	25.4	22.4	42	10	13	8.0E-05
10.16.50	290	25.4	22.5	46	10	12	8.6E-05
10.17.00	292	25.4	22.7	46	11	11	8.6E-05
10.17.10	295	25.5	22.7	44	10	11	8.4E-05
10.17.20	296	25.5	22.6	46	11	11	8.3E-05
10.17.30	295	25.5	22.8	45	10	11	8.3E-05
10.17.40	297	25.6	22.8	46	11	10	8.1E-05
10.17.50	295	25.5	22.7	41	11	11	8.2E-05
10.18.00	293	25.6	22.5	42	11	11	8.6E-05
10.18.10	292	25.5	22.5	41	11	11	1.7E-04
10.18.20	294	25.3	22.5	17	90	34	2.3E-04
10.18.30	292	25.5	22.6	41	64	69	8.8E-05
10.18.40	300	25.3	22.7	48	17	47	8.2E-05
10.18.50	293	25.8	22.2	45	10	32	8.3E-05
10.19.00	290	25.8	22.4	46	9	25	8.4E-05
10.19.10	293	25.5	22.7	40	9	21	8.3E-05
10.19.20	302	25.2	22.9	44	8	17	8.0E-05
10.19.30	295	25.5	22.7	43	9	14	7.9E-05
10.19.40	293	25.6	22.3	42	8	12	8.0E-05
10.19.50	295	25.4	22.7	42	9	11	8.0E-05
10.20.00	292	25.3	22.5	41	11	11	8.0E-05

TABLE 12.- URBAN PLUME EXPERIMENT, AUGUST 25, 1979: LEG CD

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.26.00	294	25.0	22.4	40	8	10	7.5E-05
10.26.10	295	25.1	22.4	40	10	11	7.8E-05
10.26.20	299	25.0	22.4	42	8	11	7.7E-05
10.26.30	297	25.1	22.3	39	12	12	8.3E-05
10.26.40	292	25.2	22.4	41	11	11	7.7E-05
10.26.50	297	25.1	22.5	43	11	10	7.9E-05
10.27.00	298	25.0	22.5	36	11	8	7.7E-05
10.27.10	294	25.0	22.5	41	10	9	7.4E-05
10.27.20	294	25.0	22.7	39	11	9	7.6E-05
10.27.30	295	24.9	22.7	40	10	9	8.3E-05
10.27.40	295	24.9	22.7	39	9	11	8.1E-05
10.27.50	293	25.0	22.6	41	12	11	8.1E-05
10.28.00	294	24.9	22.6	43	9	10	8.3E-05
10.28.10	295	24.8	22.6	40	9	11	8.4E-05
10.28.20	293	24.9	22.5	40	9	12	8.4E-05
10.28.30	297	24.9	22.5	39	8	11	8.7E-05
10.28.40	297	24.9	22.6	45	10	11	9.0E-05
10.28.50	294	24.9	22.6	43	11	11	8.9E-05
10.29.00	293	24.8	22.6	43	9	11	9.0E-05
10.29.10	293	24.9	22.5	40	9	11	9.8E-05
10.29.20	297	24.9	22.4	40	8	12	9.6E-05
10.29.30	297	24.8	22.6	43	12	12	1.0E-04
10.29.40	297	24.9	22.4	39	11	12	9.8E-05
10.29.50	295	24.8	22.5	40	11	12	1.0E-04
10.30.00	295	25.0	22.5	44	9	13	9.9E-05
10.30.10	296	24.9	22.6	43	8	12	9.8E-05
10.30.20	295	24.8	22.8	45	9	12	9.9E-05
10.30.30	294	24.8	22.8	37	11	12	9.7E-05
10.30.40	294	24.7	22.7	45	14	12	9.7E-05
10.30.50	295	24.8	22.7	42	11	11	9.6E-05
10.31.00	299	24.7	22.7	43	10	10	9.6E-05
10.31.10	298	24.7	22.6	41	10	11	9.3E-05
10.31.20	295	24.7	22.5	41	9	14	9.3E-05
10.31.30	297	24.7	22.3	37	10	15	9.3E-05
10.31.40	298	24.7	22.4	40	9	12	8.8E-05
10.31.50	296	24.7	22.6	37	10	10	7.7E-05
10.32.00	295	24.7	22.6	40	8	10	8.0E-05
10.32.10	296	24.8	22.5	39	8	9	7.7E-05
10.32.20	296	24.8	22.4	39	9	11	7.9E-05
10.32.30	297	25.0	22.3	41	10	12	7.7E-05
10.32.40	295	25.1	22.4	39	11	11	7.3E-05
10.32.50	295	25.3	22.4	44	10	10	7.3E-05

TABLE 12 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.33.00	297	25.4	22.4	37	11	11	7.2E-05
10.33.10	295	25.5	22.5	41	12	13	7.9E-05
10.33.20	296	25.4	22.8	43	12	13	8.9E-05
10.33.30	296	25.3	22.9	43	11	13	8.0E-05
10.33.40	294	25.4	22.7	39	10	11	8.7E-05
10.33.50	299	25.5	22.7	42	11	11	7.7E-05
10.34.00	301	25.7	22.7	36	12	11	7.4E-05
10.34.10	292	25.7	22.6	40	11	13	7.5E-05
10.34.20	293	25.7	22.8	45	10	15	7.6E-05
10.34.30	298	25.6	22.6	44	10	16	7.8E-05
10.34.40	301	25.6	22.5	42	12	15	8.5E-05
10.34.50	301	25.7	22.6	43	11	14	9.6E-05
10.35.00	293	26.0	22.3	39	9	14	9.5E-05
10.35.10	295	26.0	22.2	44	9	13	8.6E-05
10.35.20	295	25.9	22.0	46	11	13	9.0E-05
10.35.30	303	25.8	22.2	46	10	12	8.2E-05
10.35.40	298	26.0	22.4	43	9	13	7.7E-05
10.35.50	298	26.0	22.1	43	12	12	8.1E-05
10.36.00	292	26.2	21.8	47	10	15	8.7E-05
10.36.10	299	26.2	22.0	51	11	14	7.6E-05
10.36.20	301	26.2	22.2	44	9	13	7.6E-05
10.36.30	296	26.2	22.1	41	12	14	7.0E-05
10.36.40	301	26.1	22.4	43	9	13	7.0E-05
10.36.50	303	26.1	22.3	43	10	15	7.7E-05
10.37.00	295	26.2	21.9	43	8	16	7.9E-05
10.37.10	296	26.2	22.1	45	9	16	7.8E-05
10.37.20	303	26.1	22.3	38	13	17	7.6E-05
10.37.30	290	26.3	22.1	47	11	15	8.2E-05
10.37.40	300	26.1	22.3	43	9	14	6.5E-05
10.37.50	299	26.2	22.4	41	9	14	7.0E-05
10.38.00	299	26.2	22.2	41	9	16	7.3E-05
10.38.10	291	26.2	22.1	38	12	17	7.4E-05
10.38.20	303	26.0	22.2	32	13	17	7.7E-05
10.38.30	297	26.0	22.4	37	13	17	8.1E-05
10.38.40	293	26.2	22.4	36	12	18	7.5E-05
10.38.50	303	26.2	22.4	38	12	16	7.0E-05
10.39.00	301	26.2	22.4	37	11	15	6.6E-05
10.39.10	290	26.2	22.0	38	12	17	6.6E-05
10.39.20	296	26.2	21.8	41	12	16	6.3E-05
10.39.30	306	26.1	22.0	38	11	14	5.5E-05
10.39.40	291	26.4	21.7	39	9	13	5.5E-05
10.39.50	292	26.3	21.8	47	10	12	5.4E-05

TABLE 12 - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.40.00	301	26.1	22.2	40	11	10	5.3E-05
10.40.10	299	26.3	22.6	40	11	10	5.3E-05
10.40.20	295	26.2	22.3	35	11	11	5.5E-05
10.40.30	291	26.2	22.0	41	10	11	5.4E-05
10.40.40	296	26.3	22.2	43	11	12	5.5E-05
10.40.50	303	26.1	22.1	43	10	12	5.3E-05
10.41.00	290	26.3	22.4	38	9	13	5.4E-05
10.41.10	301	26.1	22.4	33	9	13	5.5E-05
10.41.20	297	26.1	22.2	35	7	11	5.4E-05
10.41.30	300	26.0	22.0	34	6	7	5.3E-05
10.41.40	304	26.1	22.3	37	8	7	5.5E-05
10.41.50	299	26.1	22.0	39	9	8	5.4E-05
10.42.00	299	26.0	22.2	35	11	7	5.2E-05
10.42.10	300	26.1	21.8	37	10	7	5.1E-05
10.42.20	300	26.1	22.3	30	8	9	5.4E-05
10.42.30	297	26.1	21.9	33	8	10	5.6E-05
10.42.40	299	26.0	22.0	40	10	10	5.4E-05
10.42.50	301	26.0	21.9	35	12	10	5.3E-05
10.43.00	297	26.0	21.9	40	10	11	5.5E-05
10.43.10	304	26.0	21.6	37	8	12	5.4E-05
10.43.20	295	26.0	21.6	33	7	10	5.4E-05
10.43.30	301	26.1	21.3	35	9	10	5.4E-05
10.43.40	303	26.0	21.6	35	9	8	5.4E-05
10.43.50	299	26.0	21.8	37	11	9	4.8E-05

TABLE 13.- URBAN PLUME EXPERIMENT, AUGUST 25, 1979: LEG FE\* (SECOND TRAVERSE)

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.49.00	295	25.4	21.9	36	11	21	4.7E-05
10.49.10	299	25.4	21.8	38	8	18	4.5E-05
10.49.20	301	25.3	21.7	31	10	13	4.8E-05
10.49.30	302	25.2	21.8	29	10	11	4.7E-05
10.49.40	299	25.3	21.9	35	8	10	4.8E-05
10.49.50	306	25.2	21.7	34	10	10	5.2E-05
10.50.00	298	25.4	21.9	30	7	8	5.0E-05
10.50.10	297	25.3	21.9	34	10	8	5.2E-05
10.50.20	301	25.3	22.0	35	9	9	5.1E-05
10.50.30	301	25.3	22.0	33	9	10	5.0E-05
10.50.40	301	25.3	22.0	37	8	11	5.5E-05
10.50.50	301	25.4	21.9	35	7	13	5.7E-05
10.51.00	301	25.4	22.0	34	10	12	5.8E-05
10.51.10	297	25.4	22.0	34	9	10	5.9E-05
10.51.20	300	25.4	22.0	38	9	11	5.7E-05
10.51.30	300	25.5	22.0	37	9	10	5.8E-05
10.51.40	299	25.5	22.1	41	8	7	6.2E-05
10.51.50	297	25.5	22.1	37	6	8	5.9E-05
10.52.00	301	25.5	22.1	40	8	9	5.6E-05
10.52.10	299	25.5	22.2	37	7	11	6.3E-05
10.52.20	297	25.5	22.2	38	7	12	6.1E-05
10.52.30	298	25.4	22.3	49	8	12	6.2E-05
10.52.40	299	25.5	22.3	50	11	12	6.3E-05
10.52.50	300	25.5	22.2	43	10	13	6.2E-05
10.53.00	299	25.6	22.3	46	9	14	6.1E-05
10.53.10	299	25.6	22.2	48	10	13	6.2E-05
10.53.20	300	25.7	22.3	45	8	12	5.9E-05
10.53.30	301	25.6	22.3	47	9	12	5.8E-05
10.53.40	298	25.6	22.3	47	8	13	6.5E-05
10.53.50	296	25.6	22.4	44	8	12	6.4E-05
10.54.00	299	25.6	22.4	46	10	13	6.5E-05
10.54.10	299	25.6	22.4	44	10	13	6.5E-05
10.54.20	300	25.5	22.4	50	11	15	6.0E-05
10.54.30	299	25.5	22.4	47	12	15	5.9E-05
10.54.40	298	25.7	22.3	42	12	15	6.9E-05
10.54.50	299	25.8	22.3	40	14	14	7.2E-05
10.55.00	299	25.8	22.2	42	13	17	7.6E-05
10.55.10	298	25.8	22.3	41	13	17	7.9E-05
10.55.20	299	25.8	22.2	45	10	17	8.3E-05
10.55.30	300	26.0	21.9	49	10	18	8.5E-05
10.55.40	299	25.9	22.1	52	10	18	8.7E-05
10.55.50	297	25.7	22.3	47	11	18	9.4E-05



TABLE 13 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.56.00	300	25.6	22.4	50	13	18	9.4E-05
10.56.10	301	25.5	22.5	53	12	21	1.0E-04
10.56.20	301	25.5	22.5	51	11	19	1.0E-04
10.56.30	301	25.5	22.5	53	11	18	9.2E-05
10.56.40	299	25.5	22.5	54	11	18	8.4E-05
10.56.50	300	25.5	22.5	55	9	15	7.6E-05
10.57.00	301	25.6	22.4	53	11	14	7.4E-05
10.57.10	298	25.7	22.4	52	10	11	7.1E-05
10.57.20	300	25.7	22.4	51	10	10	7.4E-05
10.57.30	301	25.7	21.9	49	10	12	7.4E-05
10.57.40	301	25.8	21.7	52	10	12	7.0E-05
10.57.50	299	25.8	21.6	52	11	14	8.0E-05
10.58.00	298	26.0	21.6	49	11	14	8.7E-05
10.58.10	297	25.9	21.7	46	12	13	9.3E-05
10.58.20	296	26.1	21.5	50	11	10	9.5E-05
10.58.30	298	26.0	21.6	49	10	9	9.6E-05
10.58.40	300	25.9	21.6	54	7	10	9.2E-05
10.58.50	299	25.8	21.7	51	7	12	8.9E-05
10.59.00	299	25.7	21.9	45	9	11	8.7E-05
10.59.10	301	25.7	21.9	52	10	11	8.9E-05
10.59.20	299	25.9	21.8	50	9	12	8.6E-05
10.59.30	299	25.9	21.7	53	7	13	8.4E-05
10.59.40	299	26.0	21.6	52	7	12	7.6E-05
10.59.50	299	25.9	21.5	48	8	10	7.7E-05
11.00.00	298	25.8	21.7	49	9	8	8.2E-05
11.00.10	299	25.7	21.9	46	7	11	8.0E-05
S 11.00.20	301	25.6	21.9	44	8	12	8.0E-05
11.00.30	298	25.7	21.8	45	9	10	7.9E-05
11.00.40	276	25.8	21.8	44	10	10	7.7E-05
11.00.50	245	26.0	22.0	46	8	10	7.7E-05
11.01.00	209	26.2	22.3	46	6	10	7.2E-05
11.01.10	181	26.3	22.7	44	8	12	7.4E-05
11.01.20	152	26.6	22.8	53	10	12	7.7E-05
11.01.30	131	26.7	22.9	53	10	12	7.7E-05
11.01.40	139	26.5	22.8	49	9	11	8.0E-05
11.01.50	144	26.4	22.7	45	7	12	8.2E-05
11.02.00	138	26.5	22.8	43	6	11	8.3E-05
11.02.10	145	26.3	22.8	45	8	11	8.0E-05
11.02.20	147	26.4	22.7	46	11	12	7.9E-05
11.02.30	161	26.4	22.7	50	11	11	7.9E-05
11.02.40	189	26.1	22.7	48	10	10	7.8E-05
11.02.50	218	26.1	22.5	50	10	8	7.6E-05

TABLE 13 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.03.00	247	25.9	22.3	50	9	9	7.7E-05
11.03.10	253	26.0	22.3	48	12	11	8.6E-05
11.03.20	272	25.9	22.4	54	10	11	9.0E-05
11.03.30	301	25.6	22.2	54	11	10	8.5E-05
11.03.40	325	25.4	21.9	50	7	9	7.9E-05
11.03.50	357	25.1	21.6	46	8	9	7.6E-05
11.04.00	406	24.7	21.2	46	7	11	7.5E-05
11.04.10	418	24.6	21.2	55	10	11	7.9E-05
11.04.20	445	24.6	20.9	50	9	9	7.5E-05
11.04.30	475	24.3	20.8	54	7	9	7.3E-05
11.04.40	503	24.2	20.6	47	10	10	6.7E-05
11.04.50	523	24.0	20.6	56	11	9	7.0E-05
11.05.00	552	23.9	20.5	51	8	7	7.3E-05
11.05.10	572	23.7	20.5	51	8	6	7.6E-05
11.05.20	597	23.5	20.5	55	8	7	8.2E-05
11.05.30	628	23.2	20.3	52	9	8	8.6E-05
11.05.40	647	23.2	19.9	59	9	9	9.1E-05
11.05.50	668	23.2	19.5	58	7	11	9.2E-05
11.06.00	708	22.8	19.4	58	7	13	8.1E-05
11.06.10	740	22.5	19.3	59	9	11	7.3E-05
11.06.20	757	22.3	19.4	62	9	11	7.3E-05
11.06.30	778	22.4	18.4	56	11	11	6.6E-05
11.06.40	806	22.5	17.8	65	11	12	5.2E-05
11.06.50	824	22.4	17.6	53	8	11	4.5E-05
11.07.00	850	22.2	17.4	47	8	11	4.4E-05
11.07.10	882	21.9	17.3	49	10	12	4.6E-05
11.07.20	913	21.7	16.6	48	8	12	4.7E-05
11.07.30	942	21.6	16.4	53	7	11	4.4E-05
11.07.40	976	21.4	16.1	61	8	8	4.5E-05
11.07.50	1012	21.1	16.1	54	6	8	4.5E-05
11.08.00	1049	20.8	15.5	61	6	8	4.0E-05
11.08.10	1076	20.8	15.7	61	9	10	3.5E-05
11.08.20	1089	20.7	15.8	53	11	11	4.0E-05
11.08.30	1100	20.8	15.8	46	12	12	3.7E-05
11.08.40	1133	20.5	15.9	48	10	11	3.6E-05
11.08.50	1159	20.2	15.7	56	9	10	3.9E-05
11.09.00	1179	20.1	15.7	48	9	9	4.1E-05
11.09.10	1207	19.9	15.3	54	12	10	4.1E-05
11.09.20	1240	19.6	15.1	52	13	11	4.1E-05
11.09.30	1273	19.2	15.6	52	10	11	3.7E-05
11.09.40	1293	19.1	15.6	45	10	10	3.7E-05
11.09.50	1320	18.9	15.2	51	9	10	3.7E-05

TABLE 13 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.10.00	1342	18.8	15.4	50	8	11	3.2E-05
11.10.10	1371	18.6	15.2	50	8	10	3.2E-05
11.10.20	1401	18.4	14.6	51	10	11	3.3E-05
11.10.30	1429	18.5	13.4	57	8	12	2.2E-05
11.10.40	1462	18.2	13.8	60	7	13	2.5E-05
11.10.50	1489	18.0	13.5	57	9	11	2.4E-05
11.11.00	1517	17.8	13.3	60	8	11	2.5E-05
11.11.10	1544	17.7	13.3	63	9	11	2.5E-05
11.11.20	1572	17.6	13.0	56	9	9	1.9E-05
11.11.30	1600	17.4	13.0	59	8	9	1.9E-05
11.11.40	1633	17.0	12.9	55	8	8	2.1E-05
11.11.50	1644	16.9	12.8	57	8	7	1.6E-05
11.12.00	1636	17.1	12.9	58	8	8	1.7E-05
11.12.10	1630	17.1	12.9	61	6	7	1.9E-05
11.12.20	1624	17.1	12.7	55	8	8	2.0E-05
11.12.30	1585	17.5	13.0	54	9	8	2.2E-05
11.12.40	1550	17.9	13.3	54	7	8	1.8E-05
11.12.50	1530	18.1	13.5	59	9	9	2.4E-05
11.13.00	1501	18.3	13.3	59	9	9	2.2E-05
11.13.10	1483	18.5	13.2	63	8	10	1.7E-05
11.13.20	1454	18.7	13.2	59	7	10	2.0E-05
11.13.30	1424	18.9	13.8	59	9	9	2.5E-05
11.13.40	1406	19.1	14.2	62	8	10	3.0E-05
11.13.50	1388	19.1	14.6	55	8	11	3.5E-05
11.14.00	1378	18.9	15.3	51	9	11	3.2E-05
11.14.10	1335	19.3	15.4	49	10	11	3.2E-05
11.14.20	1309	19.4	15.4	51	9	9	3.3E-05
11.14.30	1279	19.6	15.6	50	10	9	3.4E-05
11.14.40	1251	19.9	15.7	48	11	8	3.4E-05
11.14.50	1225	20.2	15.5	47	8	9	3.4E-05
11.15.00	1209	20.3	15.4	49	7	8	3.8E-05
11.15.10	1186	20.5	15.0	48	8	8	3.7E-05
11.15.20	1164	20.7	15.1	51	8	10	3.6E-05
11.15.30	1150	20.8	15.4	49	9	11	4.0E-05
11.15.40	1130	21.0	15.4	52	10	11	3.7E-05
11.15.50	1104	21.2	15.6	47	8	9	3.9E-05
11.16.00	1069	21.5	15.7	48	9	7	3.9E-05
11.16.10	1049	21.6	15.5	51	9	7	3.8E-05
11.16.20	1028	21.7	15.8	47	8	9	4.1E-05
11.16.30	1004	21.8	15.7	51	7	9	4.1E-05
11.16.40	985	22.0	15.5	58	7	10	4.1E-05
11.16.50	960	22.3	15.4	62	8	12	3.7E-05

TABLE 13 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.17.00	936	22.4	15.6	59	8	11	3.8E-05
11.17.10	918	22.5	16.3	54	8	12	3.9E-05
11.17.20	904	22.3	17.2	52	10	11	4.0E-05
11.17.30	883	22.2	17.7	45	11	9	4.4E-05
11.17.40	851	22.5	17.6	45	11	11	4.9E-05
11.17.50	807	22.8	17.7	55	11	9	5.1E-05
11.18.00	769	23.1	18.5	59	9	10	5.7E-05
11.18.10	738	23.3	18.7	60	9	9	6.5E-05
11.18.20	715	23.5	18.9	58	7	9	6.8E-05
11.18.30	688	23.6	19.0	60	6	10	7.2E-05
11.18.40	672	23.6	19.4	58	7	11	8.1E-05
11.18.50	650	23.7	19.6	53	11	10	8.8E-05
11.19.00	620	24.0	19.8	57	11	9	7.8E-05
11.19.10	597	24.0	20.2	59	10	9	8.5E-05
11.19.20	576	24.2	20.1	62	8	11	8.6E-05
11.19.30	545	24.5	20.3	55	8	11	8.8E-05
11.19.40	516	24.7	20.6	59	9	11	8.9E-05
11.19.50	485	24.9	20.8	57	11	10	8.4E-05
11.20.00	466	25.0	20.9	54	11	12	8.3E-05
11.20.10	450	25.1	20.9	53	9	13	7.9E-05
11.20.20	430	25.3	21.0	51	7	11	8.5E-05
11.20.30	426	25.3	20.9	53	9	8	8.9E-05
11.20.40	414	25.3	20.9	58	9	8	9.2E-05
11.20.50	376	25.5	21.4	59	8	9	9.3E-05
11.21.00	354	25.6	21.4	54	8	12	9.1E-05
11.21.10	325	25.9	21.5	51	9	12	9.1E-05
11.21.20	301	26.1	21.7	53	9	11	9.8E-05
S 11.21.30	305	25.8	21.8	54	8	11	9.8E-05
11.21.40	329	25.6	21.6	58	7	14	9.5E-05
11.21.50	329	25.5	21.7	51	9	13	9.3E-05
11.22.00	312	25.7	21.9	51	8	11	8.8E-05
11.22.10	312	25.7	22.0	52	7	10	9.2E-05
11.22.20	320	25.5	21.9	50	9	10	8.6E-05
11.22.30	330	25.5	21.7	52	10	10	8.3E-05
11.22.40	331	25.5	21.6	46	7	11	7.8E-05
11.22.50	328	25.6	21.5	49	9	12	7.6E-05
11.23.00	316	25.5	21.5	47	9	12	7.8E-05
11.23.10	307	25.7	21.6	45	10	12	7.6E-05
11.23.20	303	25.7	21.7	42	12	11	8.4E-05
11.23.30	303	25.7	21.9	53	10	10	9.5E-05
11.23.40	303	25.8	22.0	51	9	11	9.5E-05
11.23.50	303	26.0	22.0	55	11	10	9.6E-05

TABLE 13.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.24.00	303	26.0	22.0	62	10	11	1.0E-04
11.24.10	303	26.0	22.2	58	10	9	1.0E-04
11.24.20	306	25.9	22.2	64	8	9	1.0E-04
11.24.30	306	25.8	22.5	55	8	8	1.0E-04
11.24.40	304	25.8	22.6	56	8	9	1.0E-04
11.24.50	306	25.7	22.7	57	8	12	1.0E-04
11.25.00	309	25.6	22.9	51	10	16	1.0E-04
11.25.10	303	25.7	22.8	52	11	16	1.0E-04
11.25.20	302	25.7	22.6	59	10	15	1.0E-04
11.25.30	310	25.7	22.4	54	8	13	1.0E-04
11.25.40	303	26.0	22.1	56	7	12	1.0E-04
11.25.50	304	26.1	21.9	57	8	14	1.0E-04
11.26.00	305	26.0	22.2	57	9	15	1.0E-04
11.26.10	304	26.1	22.1	55	8	15	1.0E-04
11.26.20	309	25.9	22.4	55	8	14	1.0E-04
11.26.30	304	26.1	22.2	52	10	12	9.8E-05
11.26.40	307	26.0	22.5	52	8	12	1.0E-04
11.26.50	308	26.1	22.5	48	8	13	1.0E-04
11.27.00	304	26.2	22.2	53	7	12	9.7E-05
11.27.10	311	26.1	22.5	54	7	11	9.8E-05
11.27.20	306	26.2	22.5	51	9	13	9.8E-05
11.27.30	301	26.3	22.2	54	9	14	9.4E-05
11.27.40	312	26.1	22.3	51	11	14	8.9E-05
11.27.50	305	26.2	21.8	54	11	14	8.7E-05
11.28.00	306	26.1	22.0	52	9	15	8.7E-05
11.28.10	310	25.9	22.0	55	8	14	8.8E-05
11.28.20	305	26.2	22.2	51	7	14	8.9E-05
11.28.30	306	26.3	22.1	50	6	13	8.6E-05
11.28.40	306	26.3	21.9	47	6	12	8.8E-05
11.28.50	308	26.3	22.2	51	7	11	8.2E-05
11.29.00	308	26.3	22.3	53	8	11	8.3E-05
11.29.10	298	26.6	22.4	49	8	10	8.1E-05
11.29.20	307	26.3	22.2	45	9	9	8.2E-05
11.29.30	301	26.4	21.7	47	8	12	8.3E-05
11.29.40	312	26.3	22.1	44	8	14	8.2E-05
11.29.50	306	26.4	22.1	44	9	14	8.0E-05
11.30.00	300	26.3	22.1	47	8	13	8.2E-05
11.30.10	306	26.1	22.4	44	10	9	8.1E-05
11.30.20	314	26.0	22.4	42	9	7	8.6E-05
11.30.30	304	26.2	22.0	44	7	8	8.1E-05
11.30.40	306	26.3	22.4	47	8	9	1.1E-04
11.30.50	293	25.8	22.2	27	48	23	5.1E-04
11.31.00	306	26.2	22.6	41	137	112	1.0E-04
11.31.10	308	26.3	22.3	49	37	81	8.6E-05
11.31.20	306	26.4	22.0	44	16	56	8.3E-05
11.31.30	306	26.5	22.5	40	11	38	8.4E-05
11.31.40	304	26.4	22.4	42	8	28	8.5E-05
11.31.50	306	26.2	22.6	38	10	20	8.5E-05
11.32.00	308	26.2	22.2	42	9	17	8.5E-05
11.32.10	306	26.3	21.9	45	9	14	8.3E-05
11.32.20	308	26.3	22.5	46	8	13	8.2E-05
11.32.30	306	26.2	22.4	46	7	11	8.2E-05

TABLE 14.- URBAN PLUME EXPERIMENT, AUGUST 25, 1979: LEG CD (SECOND TRAVERSE)

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.32.50	310	29.9	20.2	52	12	9	8.1E-05
14.33.00	306	29.8	20.5	57	12	9	8.2E-05
14.33.10	300	29.8	20.8	57	11	9	9.2E-05
14.33.20	289	29.9	20.6	56	10	9	8.8E-05
14.33.30	279	30.0	20.4	58	9	10	8.4E-05
14.33.40	292	29.8	21.0	58	12	10	8.2E-05
14.33.50	292	29.7	20.8	54	10	11	8.2E-05
14.34.00	292	29.7	20.4	57	11	13	8.1E-05
14.34.10	299	29.6	20.7	55	12	14	7.9E-05
14.34.20	299	29.5	20.8	54	11	13	8.0E-05
14.34.30	297	29.5	20.9	55	10	13	8.1E-05
14.34.40	294	29.5	20.8	53	10	12	7.9E-05
14.34.50	291	29.6	20.9	54	12	11	7.9E-05
14.35.00	295	29.5	20.6	52	11	13	7.7E-05
14.35.10	299	29.4	20.5	53	11	12	7.7E-05
14.35.20	301	29.3	20.8	54	11	10	7.6E-05
14.35.30	293	29.6	20.5	55	10	10	7.9E-05
14.35.40	292	29.5	21.0	52	10	9	7.6E-05
14.35.50	295	29.4	20.8	54	10	10	7.7E-05
14.36.00	297	29.4	20.9	50	10	10	7.9E-05
14.36.10	295	29.3	20.8	52	11	10	8.1E-05
14.36.20	293	29.4	20.8	52	10	9	7.4E-05
14.36.30	297	29.4	20.6	50	11	9	7.7E-05
14.36.40	295	29.4	20.6	50	11	8	7.6E-05
14.36.50	293	29.4	20.7	53	9	9	7.8E-05
14.37.00	296	29.4	20.6	51	9	10	7.6E-05
14.37.10	296	29.5	20.5	53	10	11	8.0E-05
14.37.20	297	29.4	20.6	54	10	12	7.9E-05
14.37.30	296	29.4	20.7	52	10	11	7.6E-05
14.37.40	294	29.4	20.5	54	10	12	7.8E-05
14.37.50	293	29.4	20.6	53	11	12	7.6E-05
14.38.00	293	29.2	20.7	52	12	12	7.6E-05
14.38.10	296	29.3	20.7	55	12	11	7.8E-05
14.38.20	297	29.2	20.9	52	10	9	8.0E-05
14.38.30	294	29.4	20.8	55	8	11	7.8E-05
14.38.40	296	29.4	20.6	57	10	12	7.4E-05
14.38.50	293	29.5	20.7	57	11	11	7.5E-05
14.39.00	299	29.4	20.8	55	11	11	7.7E-05
14.39.10	294	29.4	20.9	55	10	13	8.0E-05
14.39.20	294	29.4	20.7	56	9	12	7.7E-05
14.39.30	297	29.5	20.5	53	11	11	7.8E-05
14.39.40	293	29.7	20.4	50	9	11	7.9E-05

TABLE 14 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.39.50	293	29.7	20.1	54	11	11	7.2E-05
14.40.00	302	29.7	20.3	55	10	10	7.4E-05
14.40.10	289	29.8	20.4	52	9	11	7.6E-05
14.40.20	296	29.8	20.3	56	11	10	8.0E-05
14.40.30	299	29.8	20.3	58	11	11	7.8E-05
14.40.40	290	29.7	20.7	54	11	11	8.8E-05
14.40.50	295	29.6	20.8	56	10	11	1.0E-04
14.41.00	301	29.6	20.8	59	12	11	9.4E-05
14.41.10	293	29.8	20.9	59	13	11	9.2E-05
14.41.20	292	29.9	20.8	62	12	11	9.3E-05
14.41.30	295	29.8	20.6	59	10	11	8.9E-05
14.41.40	295	29.9	20.7	63	10	12	8.8E-05
14.41.50	293	29.9	20.4	63	12	13	8.5E-05
14.42.00	295	29.8	20.3	66	11	13	8.6E-05
14.42.10	297	29.7	20.2	61	12	13	8.8E-05
14.42.20	303	29.8	20.5	61	11	14	8.7E-05
14.42.30	291	30.0	20.5	60	11	14	8.9E-05
14.42.40	293	30.1	20.6	59	13	16	8.7E-05
14.42.50	299	30.0	20.5	59	12	17	8.8E-05
14.43.00	282	30.1	20.3	62	13	19	8.5E-05
14.43.10	289	29.8	20.3	61	14	16	8.2E-05
14.43.20	299	29.6	20.7	60	13	16	8.5E-05
14.43.30	303	29.7	20.9	56	11	15	8.0E-05
14.43.40	292	29.7	20.7	50	11	15	8.3E-05
14.43.50	289	29.7	20.5	52	11	14	8.0E-05
14.44.00	297	29.6	20.3	55	10	14	7.8E-05
14.44.10	288	29.6	20.4	52	10	13	7.9E-05
14.44.20	302	29.5	21.1	53	11	14	7.7E-05
14.44.30	297	29.4	21.2	49	10	14	7.7E-05
14.44.40	288	29.5	21.1	46	11	15	7.9E-05
14.44.50	299	29.3	21.1	48	11	14	7.9E-05
14.45.00	293	29.4	20.9	47	12	14	7.9E-05
14.45.10	297	29.3	21.3	50	11	14	7.9E-05
14.45.20	306	29.1	21.2	49	11	15	7.0E-05
14.45.30	293	29.3	21.2	49	11	15	7.0E-05
14.45.40	293	29.3	21.1	49	10	15	7.0E-05
14.45.50	301	29.2	21.1	49	11	13	7.1E-05
14.46.00	292	29.2	20.9	48	13	13	7.0E-05
14.46.10	300	29.0	21.0	51	11	12	7.1E-05
14.46.20	304	29.1	21.1	51	8	11	6.9E-05
14.46.30	304	29.0	20.9	51	10	11	6.8E-05
14.46.40	296	29.1	20.7	48	11	12	6.9E-05

TABLE 14.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.46.50	301	29.2	20.7	54	11	13	6.5E-05
14.47.00	305	29.2	20.7	49	10	15	7.0E-05
14.47.10	295	29.3	20.9	52	11	14	7.0E-05
14.47.20	298	29.2	21.0	52	10	13	6.9E-05
14.47.30	292	29.3	20.6	48	12	12	7.3E-05
14.47.40	299	29.2	20.6	50	9	11	7.1E-05
14.47.50	301	29.3	20.3	54	11	11	6.9E-05
14.48.00	300	29.2	20.9	46	11	9	6.9E-05
14.48.10	295	29.2	21.3	49	13	10	6.9E-05
14.48.20	297	29.1	21.6	52	11	10	6.9E-05
14.48.30	295	28.7	21.9	53	12	10	6.8E-05
14.48.40	296	28.7	22.2	46	11	11	6.9E-05
14.48.50	296	28.8	21.7	44	11	12	6.9E-05
14.49.00	297	28.8	21.4	53	12	12	6.5E-05
14.49.10	299	28.9	21.1	47	11	13	6.7E-05
14.49.20	293	28.9	21.0	53	9	11	6.9E-05
14.49.30	297	28.8	20.9	50	8	11	6.7E-05
14.49.40	295	28.7	20.9	55	9	11	6.8E-05
14.49.50	295	28.6	20.9	48	10	10	6.6E-05
14.50.00	297	28.6	20.9	53	9	10	6.6E-05
14.50.10	297	28.7	20.8	53	11	10	6.6E-05
14.50.20	295	28.5	21.4	52	11	11	6.4E-05
14.50.30	296	28.6	21.3	42	12	11	6.4E-05
14.50.40	298	28.5	21.4	45	11	9	6.5E-05
14.50.50	298	28.4	21.4	50	12	10	6.6E-05
14.51.00	298	28.4	21.4	45	10	11	6.3E-05
14.51.10	297	28.4	21.1	45	10	11	6.3E-05
14.51.20	297	28.4	21.0	46	10	11	5.8E-05
14.51.30	297	28.4	20.9	45	8	12	5.9E-05



TABLE 15.- URBAN PLUME EXPERIMENT, AUGUST 25, 1979: LEG FE\* (THIRD TRAVERSE)

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.56.30	299	27.7	21.0	42	10	12	5.6E-05
14.56.40	295	27.7	21.1	38	12	13	5.5E-05
14.56.50	306	27.5	21.0	37	10	13	5.5E-05
14.57.00	312	27.5	21.1	43	11	14	5.8E-05
14.57.10	310	27.7	21.0	44	10	13	6.2E-05
14.57.20	306	27.7	21.0	46	9	12	6.4E-05
14.57.30	300	27.7	21.1	46	11	9	6.2E-05
14.57.40	299	27.8	21.1	45	12	9	6.1E-05
14.57.50	303	27.8	21.0	41	9	10	6.1E-05
14.58.00	303	27.8	21.2	50	10	11	6.1E-05
14.58.10	297	27.9	21.1	40	12	12	5.8E-05
14.58.20	300	27.9	21.0	44	11	10	6.4E-05
14.58.30	300	27.9	21.1	43	11	10	6.2E-05
14.58.40	297	27.9	21.3	47	10	11	6.4E-05
14.58.50	292	28.0	21.3	44	10	12	6.6E-05
14.59.00	300	28.0	21.3	46	9	11	6.4E-05
14.59.10	298	28.0	21.2	47	9	10	6.4E-05
14.59.20	294	28.1	21.3	42	9	10	6.5E-05
14.59.30	296	28.1	21.2	44	9	11	6.8E-05
14.59.40	296	28.1	21.2	50	10	11	6.5E-05
14.59.50	298	28.1	21.2	49	9	11	6.4E-05
15.00.00	294	28.1	21.2	49	10	11	6.4E-05
15.00.10	295	28.2	21.1	49	9	9	6.7E-05
15.00.20	296	28.2	21.2	50	8	10	6.4E-05
15.00.30	295	28.3	21.2	48	10	11	6.6E-05
15.00.40	295	28.3	20.9	50	9	12	6.4E-05
15.00.50	294	28.4	21.0	51	10	9	6.8E-05
15.01.00	294	28.4	21.2	49	10	10	6.7E-05
15.01.10	295	28.4	21.2	47	11	10	6.5E-05
15.01.20	294	28.4	21.3	54	10	10	6.5E-05
15.01.30	293	28.4	21.0	46	10	10	6.5E-05
15.01.40	293	28.4	21.1	46	8	11	7.1E-05
15.01.50	294	28.4	21.1	49	10	9	6.6E-05
15.02.00	293	28.6	20.9	48	11	8	6.5E-05
15.02.10	293	28.6	20.9	50	11	11	6.6E-05
15.02.20	294	28.6	20.9	51	11	12	6.5E-05
15.02.30	295	28.7	20.9	51	10	11	6.9E-05
15.02.40	292	28.7	20.9	50	9	11	6.8E-05
15.02.50	293	28.8	21.1	47	11	11	6.6E-05
15.03.00	295	28.8	21.3	53	10	10	6.6E-05
15.03.10	293	28.8	21.4	53	10	9	6.8E-05
15.03.20	292	28.7	21.4	49	10	10	6.9E-05

TABLE 15 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.03.30	293	28.7	21.5	56	10	10	7.2E-05
15.03.40	292	28.9	21.4	50	12	10	7.3E-05
15.03.50	293	28.6	21.3	52	11	11	7.1E-05
15.04.00	294	28.7	21.4	50	8	10	7.2E-05
15.04.10	293	28.7	21.2	62	8	10	7.6E-05
15.04.20	295	28.8	21.4	53	8	12	7.6E-05
15.04.30	292	28.8	21.4	62	8	12	8.1E-05
15.04.40	292	28.8	21.3	65	9	12	8.4E-05
15.04.50	293	28.8	21.3	67	9	14	8.3E-05
15.05.00	292	28.8	20.7	74	11	13	8.3E-05
15.05.10	292	28.9	21.0	77	9	13	8.9E-05
15.05.20	293	29.0	21.1	80	8	13	8.6E-05
15.05.30	293	29.1	20.9	82	8	11	8.8E-05
15.05.40	293	29.0	21.1	75	9	11	8.7E-05
15.05.50	292	29.0	21.1	77	10	11	8.8E-05
15.06.00	293	29.2	20.9	82	8	12	9.3E-05
15.06.10	295	29.1	20.9	82	8	12	9.6E-05
15.06.20	292	29.2	20.9	83	8	12	9.7E-05
15.06.30	293	29.1	20.9	75	9	13	9.9E-05
15.06.40	293	29.0	21.0	91	10	13	1.0E-04
15.06.50	293	29.0	21.0	85	10	13	1.0E-04
S 15.07.00	292	29.1	21.0	89	9	15	1.0E-04
15.07.10	282	29.0	21.1	86	10	14	1.0E-04
15.07.20	248	29.2	20.5	85	10	15	9.6E-05
15.07.30	222	29.4	21.2	82	10	13	8.7E-05
15.07.40	194	29.6	21.3	79	11	11	8.9E-05
15.07.50	167	29.6	21.6	86	12	10	9.2E-05
15.08.00	145	29.4	21.8	83	10	11	8.9E-05
15.08.10	134	29.2	22.0	83	11	11	9.1E-05
15.08.20	132	29.4	21.8	87	12	12	9.5E-05
15.08.30	132	29.5	21.8	83	11	12	9.5E-05
15.08.40	135	29.4	21.8	86	8	13	9.6E-05
15.08.50	137	29.1	21.9	81	7	12	9.6E-05
15.09.00	152	28.9	21.9	87	8	14	9.4E-05
15.09.10	163	29.1	21.4	83	9	15	9.5E-05
15.09.20	190	29.3	21.4	85	9	15	9.7E-05
15.09.30	223	29.0	21.1	77	10	16	9.0E-05
15.09.40	247	28.7	20.9	81	11	15	8.6E-05
15.09.50	279	28.7	20.9	76	9	13	8.7E-05
15.10.00	306	28.6	20.8	76	9	14	8.8E-05
15.10.10	336	28.3	20.9	82	9	14	9.3E-05
15.10.20	359	28.1	20.8	83	13	14	9.5E-05

TABLE 15 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.10.30	378	28.1	20.6	82	12	13	9.2E-05
15.10.40	406	27.9	20.5	80	9	13	9.3E-05
15.10.50	433	27.6	20.5	75	11	13	8.8E-05
15.11.00	461	27.3	20.4	78	9	14	9.1E-05
15.11.10	488	27.0	20.3	75	11	16	8.9E-05
15.11.20	515	26.8	20.2	68	10	18	8.5E-05
15.11.30	549	26.6	20.2	76	9	15	8.7E-05
15.11.40	580	26.3	20.0	70	8	13	8.4E-05
15.11.50	597	26.3	19.9	68	7	12	8.2E-05
15.12.00	617	26.2	19.7	65	7	11	8.7E-05
15.12.10	647	26.0	19.4	60	9	14	8.0E-05
15.12.20	679	25.7	19.5	63	10	16	8.4E-05
15.12.30	709	25.3	19.4	68	9	15	8.4E-05
15.12.40	734	25.1	19.4	64	9	13	8.2E-05
15.12.50	753	25.0	19.4	67	9	11	8.3E-05
15.13.00	778	24.8	19.5	64	9	10	8.4E-05
15.13.10	812	24.4	19.4	71	9	11	8.5E-05
15.13.20	831	24.2	19.6	65	10	11	8.7E-05
15.13.30	856	24.0	19.3	71	11	11	8.7E-05
15.13.40	892	23.7	18.7	61	9	11	7.9E-05
15.13.50	918	23.5	18.9	54	10	10	8.1E-05
15.14.00	940	23.4	18.7	60	9	10	7.6E-05
15.14.10	975	23.0	18.5	62	9	11	7.9E-05
15.14.20	1008	22.7	18.5	62	8	10	7.4E-05
15.14.30	1035	22.5	18.3	65	10	10	7.6E-05
15.14.40	1067	22.1	18.4	57	10	9	8.0E-05
15.14.50	1090	21.8	18.3	64	9	8	8.3E-05
15.15.00	1107	21.7	18.1	67	9	8	8.1E-05
15.15.10	1122	21.7	18.1	65	10	10	7.8E-05
15.15.20	1145	21.5	17.9	64	10	11	7.4E-05
15.15.30	1174	21.5	16.9	60	10	12	6.5E-05
15.15.40	1215	21.2	16.8	51	12	11	6.0E-05
15.15.50	1238	20.9	16.8	58	11	9	6.4E-05
15.16.00	1259	20.9	16.4	53	8	9	6.0E-05
15.16.10	1289	20.7	16.3	51	9	9	5.9E-05
15.16.20	1311	20.6	16.2	54	10	10	5.8E-05
15.16.30	1337	20.5	15.7	55	10	11	5.3E-05
15.16.40	1366	20.3	15.3	52	9	10	4.6E-05
15.16.50	1393	19.9	15.2	57	10	8	4.6E-05
15.17.00	1420	19.6	15.7	59	10	7	4.9E-05
15.17.10	1438	19.3	15.8	57	8	9	5.8E-05
15.17.20	1459	19.4	15.1	58	10	11	4.4E-05

TABLE 15 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.17.30	1484	19.1	15.2	53	12	11	4.5E-05
15.17.40	1512	18.9	14.9	57	10	11	4.4E-05
15.17.50	1535	18.9	14.3	52	8	10	4.0E-05
15.18.00	1572	18.6	14.2	53	8	10	5.0E-05
15.18.10	1599	18.6	13.7	55	8	10	3.6E-05
15.18.20	1629	18.5	13.5	56	9	10	3.6E-05
15.18.30	1635	18.6	13.4	54	9	12	3.0E-05
15.18.40	1633	18.6	13.3	52	9	12	3.2E-05
15.18.50	1636	18.4	13.3	59	9	12	3.0E-05
15.19.00	1619	18.4	13.5	56	8	11	3.3E-05
15.19.10	1574	18.8	13.6	58	7	10	3.3E-05
15.19.20	1529	19.3	14.2	58	9	9	3.7E-05
15.19.30	1504	19.5	14.1	57	9	7	3.7E-05
15.19.40	1478	19.7	14.3	57	11	7	3.8E-05
15.19.50	1453	20.1	14.3	57	9	8	3.7E-05
15.20.00	1425	20.2	14.6	56	9	9	4.0E-05
15.20.10	1392	20.4	15.0	58	7	12	4.1E-05
15.20.20	1365	20.4	15.6	55	8	14	5.0E-05
15.20.30	1348	20.5	15.8	59	8	13	5.3E-05
15.20.40	1319	20.7	16.5	59	10	11	5.8E-05
15.20.50	1295	20.7	17.2	61	10	10	7.1E-05
15.21.00	1276	20.9	17.2	64	10	9	6.9E-05
15.21.10	1251	21.3	16.8	65	10	10	6.5E-05
15.21.20	1227	21.4	17.4	56	10	9	7.3E-05
15.21.30	1196	21.8	17.4	64	9	10	7.4E-05
15.21.40	1162	22.2	17.2	66	9	12	6.9E-05
15.21.50	1128	22.4	18.1	62	9	10	8.2E-05
15.22.00	1104	22.4	18.5	68	10	9	9.0E-05
15.22.10	1093	22.4	18.5	71	11	9	9.1E-05
15.22.20	1080	22.5	18.6	74	10	9	9.4E-05
15.22.30	1063	22.6	18.5	70	12	9	9.1E-05
15.22.40	1064	22.6	18.5	64	10	10	8.8E-05
15.22.50	1041	22.8	18.9	72	9	10	9.7E-05
15.23.00	1017	23.0	19.0	81	10	10	1.1E-04
15.23.10	994	23.1	19.0	82	10	11	1.0E-04
15.23.20	957	23.6	19.1	78	9	13	1.0E-04
15.23.30	915	24.1	19.2	77	10	12	1.0E-04
15.23.40	880	24.5	19.2	80	9	13	1.0E-04
15.23.50	883	24.5	19.1	77	8	14	9.9E-05
15.24.00	868	24.5	19.1	84	9	15	1.0E-04
15.24.10	826	25.0	19.2	75	7	14	9.8E-05
15.24.20	799	25.3	19.4	79	10	14	9.8E-05

TABLE 15 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.24.30	777	25.5	19.5	78	10	13	1.0E-04
15.24.40	744	25.8	19.6	82	9	12	1.0E-04
15.24.50	710	26.2	19.6	87	9	13	1.0E-04
15.25.00	690	26.2	19.7	73	11	12	9.9E-05
15.25.10	657	26.5	19.8	77	8	12	9.7E-05
15.25.20	620	26.8	20.0	85	7	12	1.0E-04
15.25.30	590	27.0	20.0	84	10	14	9.9E-05
15.25.40	559	27.2	20.0	87	11	14	1.0E-04
15.25.50	529	27.4	20.2	89	11	14	9.7E-05
15.26.00	516	27.5	20.2	84	10	16	9.6E-05
15.26.10	497	27.6	20.3	87	11	17	9.9E-05
15.26.20	481	27.7	20.3	85	10	14	1.0E-04
15.26.30	453	27.9	20.4	79	12	13	9.9E-05
15.26.40	429	28.2	20.4	85	12	15	9.8E-05
15.26.50	402	28.5	20.4	84	11	17	1.0E-04
15.27.00	378	28.7	20.4	86	11	17	9.2E-05
15.27.10	355	28.8	20.9	83	9	17	9.0E-05
15.27.20	329	28.9	21.2	72	9	15	8.8E-05
15.27.30	306	29.1	21.3	74	8	15	9.0E-05
S 15.27.40	299	29.0	21.1	75	9	14	9.1E-05
15.27.50	314	28.8	20.5	81	8	12	8.7E-05
15.28.00	330	28.5	20.7	78	8	11	9.0E-05
15.28.10	332	28.5	20.8	81	10	15	9.4E-05
15.28.20	333	28.4	20.6	92	10	13	9.9E-05
15.28.30	325	28.5	20.9	89	11	15	9.8E-05
15.28.40	302	28.8	21.0	86	11	15	1.0E-04
15.28.50	292	29.0	20.9	87	11	13	1.0E-04
15.29.00	302	28.9	20.9	94	12	13	1.0E-04
15.29.10	312	28.8	20.9	94	10	12	1.0E-04
15.29.20	316	28.7	20.8	84	10	11	9.7E-05
15.29.30	317	28.7	20.9	79	11	10	9.0E-05
15.29.40	317	28.9	20.9	78	10	11	9.2E-05
15.29.50	314	29.1	20.9	70	10	11	9.0E-05
15.30.00	312	29.1	21.0	71	9	12	9.3E-05
15.30.10	316	29.2	21.0	70	7	13	9.0E-05
15.30.20	316	29.1	21.1	66	10	14	9.3E-05
15.30.30	315	29.3	21.1	62	9	14	9.1E-05
15.30.40	313	29.3	21.0	65	9	13	8.8E-05
15.30.50	313	29.2	20.8	62	12	13	8.5E-05
15.31.00	314	29.4	20.7	56	12	13	8.6E-05
15.31.10	315	29.4	20.5	54	8	11	7.9E-05
15.31.20	316	29.3	20.7	52	12	11	8.6E-05

TABLE 15.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.31.30	316	29.3	20.8	56	12	11	8.4E-05
15.31.40	314	29.4	20.7	56	12	10	8.3E-05
15.31.50	320	29.3	20.9	64	10	9	8.4E-05
15.32.00	317	29.3	20.8	60	9	7	8.1E-05
15.32.10	317	29.4	20.5	56	8	8	8.0E-05
15.32.20	319	29.2	20.9	55	9	9	8.2E-05
15.32.30	319	29.2	20.8	57	10	11	8.0E-05
15.32.40	317	29.4	20.8	58	10	12	8.1E-05
15.32.50	316	29.0	21.1	63	9	12	8.5E-05
15.33.00	317	28.9	21.3	55	10	14	8.7E-05
15.33.10	319	29.3	20.8	62	12	12	8.3E-05
15.33.20	316	28.9	21.3	58	10	13	8.1E-05
15.33.30	325	29.2	21.1	54	8	13	8.0E-05
15.33.40	317	29.9	20.4	54	7	11	8.3E-05
15.33.50	302	30.0	20.4	62	9	10	8.5E-05
15.34.00	317	29.8	20.5	58	10	10	8.5E-05
15.34.10	321	29.9	20.3	58	7	9	8.4E-05
15.34.20	308	30.0	20.4	62	8	9	8.2E-05
15.34.30	312	29.8	20.7	58	9	9	8.3E-05
15.34.40	320	29.7	20.7	56	10	10	8.8E-05
15.34.50	317	29.6	20.9	53	9	10	8.3E-05
15.35.00	311	29.7	20.9	50	9	10	8.1E-05
15.35.10	315	29.7	20.9	57	8	10	8.6E-05
15.35.20	316	29.8	20.1	55	10	11	8.5E-05
15.35.30	312	29.7	20.5	50	9	11	8.6E-05
15.35.40	316	29.5	20.7	56	9	10	8.6E-05
15.35.50	323	29.4	20.9	55	8	8	8.5E-05
15.36.00	310	29.6	20.5	54	9	9	8.8E-05
15.36.10	319	29.5	21.0	58	8	10	8.8E-05
15.36.20	324	29.4	21.2	52	8	11	8.7E-05
15.36.30	312	29.6	20.5	55	8	12	8.6E-05
15.36.40	317	29.5	20.8	55	10	14	8.9E-05
15.36.50	325	29.4	21.0	53	12	15	1.0E-04
15.37.00	313	29.4	20.8	53	15	20	9.0E-05
15.37.10	321	29.3	21.1	56	12	16	9.1E-05
15.37.20	325	29.4	20.8	60	10	14	8.8E-05
15.37.30	319	29.6	20.6	61	9	13	8.5E-05
15.37.40	316	29.7	20.4	57	10	12	8.5E-05
15.37.50	318	29.6	20.6	59	8	13	8.6E-05
15.38.00	321	29.5	20.9	59	11	11	8.7E-05
15.38.10	322	29.4	21.0	51	10	10	8.7E-05
15.38.20	317	29.6	21.0	50	7	10	8.6E-05
15.38.30	316	29.7	20.7	52	9	10	8.6E-05

TABLE 16.- URBAN PLUME EXPERIMENT, AUGUST 25, 1979: LEG 1J\*

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.56.10	319	28.7	21.6	61	9	10	9.1E-05
15.56.20	321	28.7	21.6	65	11	9	9.2E-05
15.56.30	320	28.7	21.6	65	9	10	9.5E-05
15.56.40	319	28.7	21.5	62	12	11	9.6E-05
15.56.50	319	28.7	21.5	64	13	12	9.9E-05
15.57.00	319	28.7	21.5	68	10	10	9.4E-05
15.57.10	319	28.7	21.5	65	8	9	9.7E-05
15.57.20	319	28.7	21.4	72	10	9	1.0E-04
15.57.30	319	28.7	21.4	70	10	9	1.0E-04
15.57.40	317	28.7	21.4	71	11	11	1.0E-04
15.57.50	317	28.8	21.4	72	11	11	1.0E-04
15.58.00	316	28.8	21.4	80	9	13	1.1E-04
15.58.10	318	28.7	21.4	88	9	14	1.1E-04
15.58.20	317	28.7	21.5	77	10	14	1.1E-04
15.58.30	319	28.7	21.5	84	9	12	1.1E-04
15.58.40	319	28.7	21.5	86	8	11	1.1E-04
15.58.50	316	28.8	21.4	80	10	12	1.1E-04
15.59.00	317	28.7	21.5	80	9	11	1.1E-04
15.59.10	318	28.7	21.5	78	10	11	1.0E-04
15.59.20	317	28.7	21.5	79	10	10	1.1E-04
15.59.30	317	28.7	21.4	76	9	11	1.0E-04
15.59.40	317	28.7	21.3	81	8	11	1.0E-04
15.59.50	318	28.7	21.2	77	9	11	1.0E-04
16.00.00	318	28.7	21.2	73	11	11	1.0E-04
16.00.10	317	28.7	21.1	76	10	11	1.0E-04
16.00.20	317	28.7	21.0	74	10	11	9.7E-05
16.00.30	316	28.7	21.0	74	12	11	9.8E-05
16.00.40	317	28.7	20.9	73	11	10	9.9E-05
16.00.50	317	28.7	20.8	78	12	12	9.5E-05
16.01.00	317	28.6	20.7	71	10	11	9.1E-05
16.01.10	316	28.6	20.7	78	8	8	9.3E-05
16.01.20	317	28.6	20.7	81	10	9	9.0E-05
16.01.30	316	28.6	20.7	70	11	9	9.4E-05
16.01.40	317	28.6	20.7	75	10	9	9.2E-05
16.01.50	316	28.6	20.8	75	9	9	9.3E-05
16.02.00	316	28.6	20.7	76	8	10	9.4E-05
16.02.10	316	28.6	20.4	73	10	11	8.7E-05
16.02.20	316	28.6	20.2	73	10	11	7.8E-05
16.02.30	316	28.6	20.1	69	10	11	7.0E-05
16.02.40	317	28.7	20.2	70	11	12	8.2E-05
16.02.50	317	28.7	20.3	66	7	11	8.5E-05
16.03.00	317	28.7	20.3	70	8	11	8.6E-05

TABLE 16 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.03.10	317	28.7	20.2	61	9	11	8.1E-05
16.03.20	316	28.6	20.7	65	11	9	8.2E-05
16.03.30	318	28.6	21.0	61	11	10	8.2E-05
16.03.40	318	28.6	21.0	68	11	8	8.2E-05
16.03.50	314	28.7	20.7	66	9	8	8.1E-05
16.04.00	319	28.5	21.5	60	7	8	8.4E-05
16.04.10	317	28.1	22.8	69	8	9	8.0E-05
16.04.20	317	28.0	23.3	62	9	10	7.9E-05
16.04.30	316	28.1	23.1	62	10	11	7.5E-05
16.04.40	317	28.1	23.1	62	9	12	7.9E-05
16.04.50	320	28.1	23.1	66	11	12	8.2E-05
16.05.00	319	28.0	23.4	59	10	10	7.6E-05
16.05.10	319	28.1	23.2	64	9	10	8.1E-05
16.05.20	321	28.0	23.1	62	11	8	7.9E-05
16.05.30	319	28.1	23.0	68	10	8	7.9E-05
16.05.40	318	28.1	22.9	62	12	10	8.0E-05
16.05.50	320	28.1	22.8	62	11	10	8.1E-05
16.06.00	320	27.9	23.2	61	10	11	7.5E-05
16.06.10	316	27.9	23.1	59	11	11	7.4E-05
16.06.20	318	27.7	23.3	60	8	11	6.8E-05
16.06.30	320	27.7	23.2	52	9	10	6.9E-05
16.06.40	319	27.6	23.1	54	11	11	7.2E-05
16.06.50	317	27.7	23.0	55	9	10	7.0E-05
16.07.00	320	27.6	23.0	54	9	12	7.3E-05
16.07.10	318	27.6	22.9	57	9	10	7.2E-05
16.07.20	320	27.6	22.8	61	9	11	7.3E-05
16.07.30	323	27.5	22.7	63	11	12	7.3E-05
16.07.40	314	27.6	22.5	56	9	13	6.9E-05
16.07.50	320	27.6	22.4	61	9	13	7.6E-05
16.08.00	323	27.5	22.5	62	10	13	7.0E-05
16.08.10	316	27.5	22.3	62	8	12	6.9E-05
16.08.20	319	27.5	22.2	65	10	13	7.8E-05
16.08.30	322	27.4	22.2	60	10	13	7.3E-05
16.08.40	317	27.4	22.0	71	9	11	7.4E-05
16.08.50	321	27.3	22.7	51	8	10	6.2E-05
16.09.00	319	27.2	22.9	44	8	8	6.0E-05
16.09.10	316	27.2	22.7	48	10	9	6.0E-05
16.09.20	321	27.3	21.6	52	9	10	6.4E-05
16.09.30	320	27.2	22.0	53	10	11	5.9E-05
16.09.40	317	27.1	22.0	51	9	9	5.9E-05
16.09.50	317	27.2	21.9	48	9	7	5.7E-05
16.10.00	318	27.1	22.3	44	7	8	5.7E-05



TABLE 16 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.10.10	319	27.4	21.1	45	9	9	5.7E-05
16.10.20	320	27.1	22.7	48	10	9	5.6E-05
16.10.30	314	27.2	22.0	38	10	11	5.7E-05
16.10.40	321	26.9	23.0	43	10	9	5.7E-05
S 16.10.50	317	27.0	22.5	40	9	9	6.0E-05
16.11.00	319	27.1	21.7	46	10	8	5.8E-05
16.11.10	310	26.9	21.6	44	8	8	5.5E-05
16.11.20	275	26.7	22.9	46	8	11	5.8E-05
16.11.30	238	27.1	22.7	41	10	10	6.0E-05
16.11.40	202	27.3	22.7	43	8	9	6.3E-05
16.11.50	185	27.5	22.9	52	10	11	6.0E-05
16.12.00	165	27.6	23.2	46	11	10	6.2E-05
16.12.10	161	27.7	23.1	45	11	10	6.2E-05
16.12.20	164	27.6	23.1	46	11	8	6.1E-05
16.12.30	170	27.5	23.0	43	9	10	6.4E-05
16.12.40	185	27.3	22.9	45	9	11	6.0E-05
16.12.50	202	26.8	23.3	44	8	10	6.1E-05
16.13.00	220	26.6	23.0	38	7	8	6.1E-05
16.13.10	237	26.8	22.5	47	10	10	6.2E-05
16.13.20	266	26.5	22.7	47	9	10	6.0E-05
16.13.30	305	26.2	23.0	46	10	9	6.5E-05
16.13.40	325	26.4	22.2	42	11	11	6.4E-05
16.13.50	361	26.4	21.5	47	8	10	6.3E-05
16.14.00	395	26.2	21.5	55	12	11	6.0E-05
16.14.10	422	25.9	21.5	45	11	12	5.7E-05
16.14.20	437	26.1	20.7	52	10	14	5.7E-05
16.14.30	451	26.0	20.7	54	10	12	5.7E-05
16.14.40	478	25.8	20.7	50	10	10	5.6E-05
16.14.50	495	25.6	20.6	48	10	9	5.5E-05
16.15.00	518	25.4	20.6	49	8	8	6.0E-05
16.15.10	545	25.1	20.7	53	8	9	5.8E-05
16.15.20	583	24.7	20.7	52	8	10	6.2E-05
16.15.30	613	24.4	20.7	61	7	10	6.7E-05
16.15.40	638	24.3	20.8	66	8	10	6.8E-05
16.15.50	652	24.2	20.8	68	11	10	7.3E-05
16.16.00	683	23.9	20.6	76	11	9	7.7E-05
16.16.10	698	23.8	20.5	84	9	8	8.6E-05
16.16.20	691	24.1	20.5	90	11	10	9.1E-05
16.16.30	719	24.2	20.3	91	11	12	9.9E-05
16.16.40	767	23.8	20.1	91	12	13	1.0E-04
16.16.50	798	23.7	19.9	90	9	12	9.9E-05
16.17.00	823	23.5	19.9	92	7	13	1.0E-04

TABLE 16 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.17.10	848	23.4	19.6	93	8	13	1.0E-04
16.17.20	877	23.2	19.5	89	8	11	1.0E-04
16.17.30	900	23.1	19.3	85	8	12	9.1E-05
16.17.40	918	23.1	18.9	77	6	12	8.5E-05
16.17.50	951	22.9	18.5	71	8	12	7.7E-05
16.18.00	985	22.8	17.8	66	9	14	7.2E-05
16.18.10	1012	22.5	17.6	61	12	12	6.8E-05
16.18.20	1043	22.3	17.2	54	11	11	6.9E-05
16.18.30	1074	22.1	17.0	57	8	10	6.1E-05
16.18.40	1097	22.0	17.0	58	9	9	6.4E-05
16.18.50	1114	21.8	16.8	58	7	8	6.2E-05
16.19.00	1150	21.6	16.5	58	8	6	5.7E-05
16.19.10	1159	21.5	16.8	59	8	8	6.3E-05
16.19.20	1169	21.5	16.8	56	8	9	6.3E-05
16.19.30	1197	21.3	16.6	58	8	8	6.2E-05
16.19.40	1236	21.1	16.2	61	8	8	6.7E-05
16.19.50	1278	20.8	15.9	65	10	10	6.4E-05
16.20.00	1304	20.5	15.9	60	10	9	6.2E-05
16.20.10	1330	20.4	15.8	63	9	8	6.2E-05
16.20.20	1352	20.2	15.7	58	9	8	5.8E-05
16.20.30	1383	20.0	15.6	62	9	9	5.7E-05
16.20.40	1414	19.7	15.4	59	10	9	5.6E-05
16.20.50	1449	19.4	15.1	60	9	10	5.1E-05
16.21.00	1476	19.3	14.5	60	10	10	4.8E-05
16.21.10	1504	19.3	14.1	61	8	10	4.2E-05
16.21.20	1529	19.3	13.3	54	7	10	4.0E-05
16.21.30	1556	19.3	13.1	59	7	9	3.6E-05
16.21.40	1585	19.2	12.6	65	9	9	3.7E-05
16.21.50	1611	18.9	12.8	62	10	10	3.5E-05
16.22.00	1642	18.8	12.6	58	10	11	3.5E-05
16.22.10	1665	18.7	12.2	62	8	9	3.1E-05
16.22.20	1662	18.8	12.3	59	9	9	2.9E-05
16.22.30	1658	18.7	13.0	61	10	9	3.2E-05
16.22.40	1653	18.7	12.8	60	8	8	3.2E-05
16.22.50	1641	18.8	12.5	60	9	8	3.0E-05
16.23.00	1608	19.1	12.6	60	8	8	3.3E-05
16.23.10	1587	19.3	12.7	61	8	7	3.3E-05
16.23.20	1561	19.5	12.9	64	8	6	3.6E-05
16.23.30	1535	19.7	13.0	63	10	8	3.8E-05
16.23.40	1496	20.0	13.7	59	10	9	3.7E-05
16.23.50	1460	20.5	13.5	58	10	8	4.0E-05
16.24.00	1430	20.7	14.0	59	11	10	4.2E-05

TABLE 16 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.24.10	1398	20.6	15.2	62	11	9	5.2E-05
16.24.20	1370	20.8	15.4	61	9	10	5.5E-05
16.24.30	1336	21.1	15.6	64	9	11	5.6E-05
16.24.40	1317	20.9	15.7	62	9	12	5.3E-05
16.24.50	1282	21.2	15.9	61	9	13	6.0E-05
16.25.00	1252	21.4	16.1	65	7	13	6.4E-05
16.25.10	1236	21.5	16.1	58	8	11	6.5E-05
16.25.20	1219	21.6	16.1	63	8	11	6.7E-05
16.25.30	1193	21.9	16.1	61	10	11	6.3E-05
16.25.40	1170	22.1	16.4	59	8	12	6.1E-05
16.25.50	1154	22.1	16.6	66	10	10	6.6E-05
16.26.00	1132	22.1	16.8	58	9	10	6.8E-05
16.26.10	1120	22.2	17.0	57	9	9	7.1E-05
16.26.20	1089	22.4	17.1	60	9	11	6.7E-05
16.26.30	1060	22.6	17.2	51	11	11	6.3E-05
16.26.40	1039	22.8	17.4	64	9	8	6.2E-05
16.26.50	992	23.2	18.2	65	8	6	6.8E-05
16.27.00	961	23.4	18.3	73	9	8	7.6E-05
16.27.10	933	23.5	18.6	73	10	8	7.9E-05
16.27.20	885	23.8	19.2	82	10	8	8.9E-05
16.27.30	866	23.9	19.4	73	11	9	9.5E-05
16.27.40	841	23.8	19.8	91	12	10	1.0E-04
16.27.50	813	23.7	20.1	95	12	11	1.0E-04
16.28.00	790	23.8	20.2	95	11	12	8.7E-05
16.28.10	753	24.1	20.2	85	9	13	9.1E-05
16.28.20	727	24.3	20.3	90	10	12	8.6E-05
16.28.30	705	24.4	20.5	83	8	13	8.9E-05
16.28.40	692	24.3	20.5	78	8	12	8.5E-05
16.28.50	670	24.5	20.5	76	9	12	7.8E-05
16.29.00	653	24.6	20.5	60	9	13	6.8E-05
16.29.10	646	24.6	20.3	52	9	12	6.5E-05
16.29.20	608	25.0	20.4	60	12	11	6.1E-05
16.29.30	562	25.5	20.5	51	10	9	6.1E-05
16.29.40	554	25.4	20.5	51	8	7	6.3E-05
16.29.50	527	25.7	20.5	53	8	7	6.3E-05
16.30.00	507	25.9	20.5	53	8	8	6.2E-05
16.30.10	491	26.0	20.5	55	10	9	6.2E-05
16.30.20	470	26.3	20.6	54	9	8	6.3E-05
16.30.30	444	26.5	20.6	54	9	8	5.8E-05
16.30.40	429	26.5	20.7	51	10	7	5.9E-05
16.30.50	395	27.0	20.7	51	9	6	6.0E-05
16.31.00	373	26.6	21.2	47	10	6	6.1E-05

TABLE 16 - Continued

	TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
S	16.31.10	354	26.5	21.7	47	9	7	6.0E-05
	16.31.20	334	26.7	22.1	44	9	6	6.2E-05
	16.31.30	320	26.8	22.3	38	9	8	6.3E-05
	16.31.40	321	26.8	22.0	43	7	9	5.7E-05
	16.31.50	350	26.7	21.3	54	7	9	5.8E-05
	16.32.00	352	26.4	21.8	50	10	10	6.0E-05
	16.32.10	334	27.0	21.3	45	12	8	6.4E-05
	16.32.20	330	27.2	21.1	47	10	9	6.0E-05
	16.32.30	341	27.2	21.1	41	11	9	5.8E-05
	16.32.40	344	27.1	21.0	47	11	9	6.0E-05
	16.32.50	342	27.2	21.1	44	9	10	6.0E-05
	16.33.00	341	27.1	21.2	50	8	10	6.2E-05
	16.33.10	345	27.2	21.0	47	10	9	6.3E-05
	16.33.20	348	27.1	20.9	55	10	8	6.2E-05
	16.33.30	352	27.1	20.9	47	10	8	6.1E-05
	16.33.40	352	27.2	20.9	48	10	8	6.1E-05
	16.33.50	350	27.2	20.8	49	10	8	5.8E-05
	16.34.00	352	27.2	20.8	44	8	8	5.9E-05
	16.34.10	350	27.2	20.7	47	9	9	6.0E-05
	16.34.20	350	27.3	20.7	44	8	9	6.3E-05
	16.34.30	350	27.3	20.8	49	10	10	6.1E-05
	16.34.40	350	27.3	20.9	52	12	9	5.6E-05
	16.34.50	348	27.4	20.9	48	12	9	5.7E-05
	16.35.00	348	27.4	21.0	48	9	10	5.9E-05
	16.35.10	348	27.4	20.9	53	9	11	5.8E-05
	16.35.20	348	27.4	20.9	48	9	11	5.6E-05
	16.35.30	346	27.4	20.8	45	10	11	5.6E-05
	16.35.40	346	27.4	20.7	53	10	8	5.8E-05
	16.35.50	349	27.4	20.7	49	11	8	6.0E-05
	16.36.00	348	27.3	20.7	54	7	9	5.8E-05
	16.36.10	348	27.3	20.7	49	10	11	6.1E-05
	16.36.20	349	27.4	20.6	50	10	10	6.1E-05
	16.36.30	349	27.3	20.5	48	9	10	5.7E-05
	16.36.40	348	27.3	20.5	44	10	11	5.9E-05
	16.36.50	349	27.3	20.4	50	7	8	6.0E-05
	16.37.00	350	27.3	20.5	54	9	8	5.8E-05
	16.37.10	350	27.3	20.5	52	10	8	5.6E-05
	16.37.20	349	27.2	20.5	51	7	7	6.0E-05
	16.37.30	349	27.2	20.3	46	8	10	5.9E-05
	16.37.40	349	27.2	20.3	55	10	11	5.9E-05
	16.37.50	349	27.2	20.3	52	9	10	5.9E-05
	16.38.00	350	27.2	20.4	51	10	9	5.9E-05

TABLE 16.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.38.10	349	27.1	20.5	51	12	8	6.0E-05
16.38.20	350	27.1	20.3	54	10	7	5.8E-05
16.38.30	349	27.1	20.2	50	9	7	5.9E-05
16.38.40	350	27.2	20.2	52	9	6	6.4E-05
16.38.50	349	27.2	20.2	47	10	7	6.0E-05
16.39.00	343	27.3	20.2	47	10	7	6.1E-05
16.39.10	338	27.4	20.3	49	10	7	6.1E-05
16.39.20	333	27.4	20.3	52	9	7	6.1E-05
16.39.30	328	27.4	20.3	48	8	9	6.1E-05
16.39.40	326	27.5	20.3	41	8	9	5.8E-05
16.39.50	326	27.4	20.2	45	7	10	6.0E-05
16.40.00	326	27.4	20.3	52	8	10	5.8E-05
16.40.10	325	27.3	20.3	42	10	9	5.9E-05
16.40.20	326	27.3	20.3	47	9	7	5.6E-05
16.40.30	327	27.3	20.2	45	8	6	5.8E-05
16.40.40	327	27.4	20.2	49	9	8	6.1E-05
16.40.50	327	27.4	20.1	48	9	7	5.9E-05
16.41.00	327	27.4	20.1	45	9	6	6.2E-05
16.41.10	327	27.4	20.2	48	7	6	6.3E-05
16.41.20	327	27.4	20.0	45	10	7	6.2E-05
16.41.30	327	27.4	19.9	43	11	8	6.1E-05
16.41.40	327	27.4	19.8	42	10	10	6.2E-05
16.41.50	327	27.4	19.7	47	9	12	5.9E-05
16.42.00	328	27.4	19.4	43	11	13	5.9E-05
16.42.10	328	27.5	19.3	49	10	13	6.0E-05
16.42.20	328	27.5	19.5	52	9	11	5.8E-05
16.42.30	328	27.4	19.2	50	9	13	6.3E-05
16.42.40	327	27.4	19.0	48	8	11	6.5E-05
16.42.50	328	27.4	18.9	40	9	11	6.4E-05
16.43.00	328	27.5	18.7	46	9	10	6.4E-05
16.43.10	327	27.5	18.5	40	9	8	6.8E-05
16.43.20	327	27.5	18.1	44	9	7	5.9E-05
16.43.30	326	27.4	18.2	41	10	9	5.2E-05
16.43.40	328	27.4	18.3	42	6	9	5.4E-05
16.43.50	327	27.4	18.4	42	8	9	5.5E-05

TABLE 17.- URBAN PLUME EXPERIMENT, AUGUST 25, 1979: LEG HG

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.59.30	332	27.1	20.2	44	11	10	6.3E-05
16.59.40	328	27.1	20.4	51	8	11	6.5E-05
16.59.50	328	27.1	20.4	47	8	10	6.3E-05
17.00.00	328	27.2	20.3	48	7	8	6.6E-05
17.00.10	328	27.2	20.5	48	10	9	6.7E-05
17.00.20	328	27.2	20.8	47	9	9	6.7E-05
17.00.30	330	27.2	20.9	48	10	9	6.8E-05
17.00.40	329	27.3	20.7	49	11	9	6.6E-05
17.00.50	329	27.3	20.7	45	10	10	6.8E-05
17.01.00	330	27.3	20.7	48	9	9	6.7E-05
17.01.10	328	27.3	20.7	50	7	9	6.8E-05
17.01.20	329	27.2	20.9	50	8	11	6.9E-05
17.01.30	329	27.3	20.7	47	9	12	6.9E-05
17.01.40	329	27.6	20.1	49	10	11	6.8E-05
17.01.50	331	27.4	20.6	44	10	10	6.8E-05
17.02.00	330	27.5	20.5	48	9	8	6.7E-05
17.02.10	330	27.7	20.0	47	10	10	6.6E-05
17.02.20	330	27.6	20.3	47	8	10	6.5E-05
17.02.30	330	27.5	20.6	51	11	9	6.8E-05
17.02.40	329	27.8	19.8	48	8	7	6.1E-05
17.02.50	328	27.9	19.7	44	9	8	6.6E-05
17.03.00	328	27.7	20.1	44	9	8	6.8E-05
17.03.10	328	27.9	19.4	42	9	8	6.4E-05
17.03.20	327	28.1	19.4	43	10	7	6.6E-05
17.03.30	328	28.1	19.4	44	11	8	6.4E-05
17.03.40	328	28.0	19.6	44	11	8	6.4E-05
17.03.50	327	27.8	19.6	48	9	9	6.4E-05
17.04.00	328	27.7	19.8	48	9	9	6.4E-05
17.04.10	329	27.8	19.9	47	9	9	6.8E-05
17.04.20	330	27.8	20.1	48	9	9	6.7E-05
17.04.30	329	27.8	20.0	47	9	8	6.5E-05
17.04.40	328	27.9	19.9	44	6	9	6.5E-05
17.04.50	328	28.0	19.7	46	7	10	6.4E-05
17.05.00	327	28.1	19.8	44	10	8	6.9E-05
17.05.10	327	28.1	20.0	46	11	9	7.3E-05
17.05.20	327	28.1	20.0	51	11	9	7.3E-05
17.05.30	327	28.1	20.0	46	9	7	7.0E-05
17.05.40	327	28.2	20.0	45	8	7	7.2E-05
17.05.50	327	28.3	19.8	47	7	7	7.3E-05
17.06.00	327	28.3	19.7	42	6	7	7.2E-05
17.06.10	328	28.4	19.6	46	8	7	7.2E-05
17.06.20	327	28.4	19.7	44	10	7	7.2E-05

TABLE 17 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
17.06.30	327	28.5	19.8	47	9	8	7.5E-05
17.06.40	327	28.5	19.7	55	8	10	7.4E-05
17.06.50	328	28.5	19.6	44	9	11	7.5E-05
17.07.00	328	28.5	19.6	51	9	11	7.3E-05
17.07.10	327	28.5	19.6	52	8	9	7.1E-05
17.07.20	330	28.5	19.7	50	10	10	7.3E-05
17.07.30	330	28.5	19.8	47	11	11	7.6E-05
17.07.40	328	28.5	20.0	53	11	11	7.5E-05
17.07.50	329	28.5	20.0	47	10	12	7.2E-05
17.08.00	329	28.5	20.0	53	8	11	7.3E-05
17.08.10	329	28.4	20.0	51	9	9	7.5E-05
17.08.20	330	28.3	20.0	52	8	8	7.3E-05
17.08.30	330	28.3	20.2	48	9	9	7.1E-05
17.08.40	330	28.2	20.2	51	9	10	7.1E-05
17.08.50	328	28.1	20.3	52	10	11	7.4E-05
17.09.00	329	28.3	20.3	48	10	12	7.3E-05
17.09.10	330	28.5	20.5	48	9	11	7.3E-05
17.09.20	328	28.4	20.5	51	7	9	7.4E-05
17.09.30	330	28.5	20.6	52	8	9	7.0E-05
17.09.40	330	28.5	20.7	49	8	9	7.1E-05
17.09.50	328	28.3	20.5	52	9	7	7.3E-05
17.10.00	327	28.4	20.6	49	10	8	7.3E-05
17.10.10	328	28.4	20.7	50	9	8	7.2E-05
17.10.20	326	28.0	20.7	52	6	8	7.3E-05
17.10.30	327	27.6	21.5	49	7	9	7.4E-05
17.10.40	330	27.4	21.8	50	9	9	7.0E-05
17.10.50	328	27.4	22.0	51	10	10	7.0E-05
17.11.00	327	27.3	22.2	53	10	10	7.2E-05
17.11.10	328	27.2	22.3	49	11	10	7.0E-05
17.11.20	327	27.5	21.4	48	10	10	7.0E-05
17.11.30	329	27.5	21.9	50	8	9	7.1E-05
17.11.40	328	27.3	22.4	50	8	11	7.3E-05
17.11.50	325	27.4	21.9	49	8	10	7.4E-05
17.12.00	328	27.3	22.4	46	10	10	7.4E-05
17.12.10	328	27.7	21.8	48	10	11	7.5E-05
17.12.20	327	27.8	21.8	54	7	11	7.2E-05
17.12.30	327	27.8	22.0	47	9	12	7.4E-05
17.12.40	328	27.8	22.0	49	9	11	7.6E-05
17.12.50	329	28.2	21.8	50	8	14	7.6E-05
17.13.00	325	27.8	22.2	52	9	13	7.4E-05
17.13.10	330	27.6	22.5	51	9	11	7.3E-05
17.13.20	327	27.7	22.4	53	10	9	7.6E-05

TABLE 17 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
17.13.30	329	27.8	22.3	45	10	10	7.2E-05
17.13.40	328	28.6	21.6	52	9	11	7.8E-05
17.13.50	325	28.4	21.9	53	10	13	7.8E-05
17.14.00	332	28.5	21.8	49	10	12	7.5E-05
17.14.10	327	28.4	21.7	54	11	11	7.4E-05
17.14.20	326	28.2	21.8	50	10	9	7.3E-05
17.14.30	330	28.4	21.7	50	9	7	7.6E-05
17.14.40	327	28.7	21.4	55	9	8	7.9E-05
17.14.50	325	28.8	21.2	66	7	8	8.3E-05
17.15.00	326	28.9	21.3	67	8	11	8.7E-05
17.15.10	327	28.9	21.3	71	9	11	9.0E-05
17.15.20	327	28.8	21.4	77	11	10	8.6E-05
17.15.30	326	28.8	21.2	73	11	10	8.5E-05
17.15.40	327	28.9	21.1	77	8	10	8.6E-05
17.15.50	326	28.9	21.1	75	9	10	9.0E-05
17.16.00	327	29.2	20.9	78	7	9	8.9E-05
17.16.10	325	29.4	20.7	76	8	9	8.8E-05
17.16.20	326	29.5	20.6	78	6	9	9.4E-05
17.16.30	325	29.6	20.6	70	8	11	9.3E-05
17.16.40	325	29.6	20.7	75	9	12	9.1E-05
17.16.50	326	29.6	20.6	78	9	12	9.2E-05
17.17.00	326	29.5	20.7	79	10	12	9.4E-05
17.17.10	326	29.5	20.7	74	8	11	9.5E-05
17.17.20	327	29.6	20.8	76	8	12	9.4E-05
17.17.30	326	29.5	20.8	71	10	12	9.5E-05
17.17.40	326	29.5	20.9	72	8	10	9.5E-05
17.17.50	327	29.5	20.9	74	9	10	9.3E-05
17.18.00	327	29.5	20.9	71	9	9	9.6E-05
17.18.10	327	29.4	21.0	75	9	9	9.0E-05
17.18.20	327	29.4	21.1	78	9	9	9.5E-05
17.18.30	327	29.3	21.1	78	8	8	9.2E-05
17.18.40	327	29.3	21.2	72	8	10	9.4E-05
17.18.50	326	29.1	21.2	76	10	13	9.3E-05
17.19.00	328	28.9	21.2	77	11	12	9.2E-05
17.19.10	328	28.9	21.3	77	10	11	9.2E-05
17.19.20	327	28.6	21.4	82	10	11	9.1E-05
17.19.30	327	28.6	21.6	82	10	11	8.9E-05
17.19.40	327	28.3	22.0	76	10	11	8.7E-05
17.19.50	328	28.4	22.2	78	9	11	9.0E-05
17.20.00	330	28.3	22.5	63	10	10	8.4E-05
17.20.10	323	28.4	22.3	64	9	11	8.4E-05
17.20.20	328	28.5	22.2	67	10	9	8.8E-05



TABLE 17.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
17.20.30	330	28.6	22.3	69	9	8	8.4E-05
17.20.40	328	28.9	21.8	66	9	9	8.4E-05
17.20.50	327	28.9	22.0	70	10	9	8.6E-05
17.21.00	326	28.7	22.5	67	11	8	8.2E-05
17.21.10	325	28.7	22.6	67	9	8	8.4E-05
17.21.20	328	28.7	22.8	64	9	9	8.2E-05
17.21.30	327	28.7	22.7	65	9	10	8.5E-05
17.21.40	323	28.9	22.5	67	8	12	8.6E-05
17.21.50	327	28.7	22.2	71	11	11	8.5E-05
17.22.00	329	28.7	22.4	74	10	12	8.6E-05
17.22.10	328	28.8	22.5	68	8	12	8.9E-05
17.22.20	325	28.8	22.5	68	9	11	8.9E-05
17.22.30	328	29.0	22.4	69	8	11	9.0E-05
17.22.40	328	29.0	22.2	69	10	13	9.2E-05
17.22.50	327	29.0	22.3	69	9	15	9.1E-05

TABLE 18.- URBAN PLUME EXPERIMENT, AUGUST 30, 1979  
(SOUTHWEST FLOW CASE): LEG AB\*

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.26.30	302	26.4	18.3	67	13	14	7.0E-05
08.26.40	303	26.4	18.5	68	13	14	7.5E-05
08.26.50	303	26.4	18.3	69	12	13	7.2E-05
08.27.00	303	26.5	18.5	67	12	14	7.7E-05
08.27.10	303	26.5	18.7	72	12	15	8.1E-05
08.27.20	301	26.5	18.7	71	12	15	8.3E-05
08.27.30	303	26.5	18.6	77	13	15	8.3E-05
08.27.40	303	26.5	18.5	71	13	16	7.8E-05
08.27.50	304	26.4	18.5	64	14	15	7.4E-05
08.28.00	303	26.4	18.5	66	14	15	7.5E-05
08.28.10	304	26.4	18.5	61	14	15	7.4E-05
08.28.20	304	26.3	18.3	65	12	15	7.2E-05
08.28.30	307	26.3	18.2	69	13	13	6.3E-05
08.28.40	306	26.2	18.3	67	14	13	5.6E-05
08.28.50	305	26.2	18.2	65	15	14	5.4E-05
08.29.00	304	26.2	18.2	65	13	14	5.6E-05
08.29.10	307	26.1	18.1	65	12	14	5.8E-05
08.29.20	307	26.1	18.1	63	12	14	5.1E-05
08.29.30	307	26.1	18.3	64	12	14	6.1E-05
08.29.40	306	26.0	18.1	66	13	12	5.5E-05
08.29.50	308	25.9	17.7	61	12	13	4.9E-05
08.30.00	307	25.9	17.7	59	12	14	4.6E-05
08.30.10	308	25.8	17.9	63	15	14	4.9E-05
08.30.20	309	25.7	18.1	68	13	15	4.7E-05
08.30.30	309	25.5	18.4	62	12	15	4.3E-05
08.30.40	309	25.5	18.4	60	13	13	4.2E-05
08.30.50	309	25.5	18.4	60	12	13	4.1E-05
08.31.00	309	25.5	18.5	61	14	13	4.1E-05
08.31.10	306	25.5	18.4	56	14	12	3.8E-05
08.31.20	307	25.4	18.5	59	14	12	3.9E-05
08.31.30	309	25.4	18.5	57	13	13	4.1E-05
08.31.40	308	25.3	18.1	60	12	12	4.1E-05
08.31.50	307	25.2	18.0	65	12	11	3.6E-05
08.32.00	307	25.2	18.1	61	13	12	3.7E-05
08.32.10	308	25.2	18.1	59	13	13	3.8E-05
08.32.20	308	25.2	18.1	63	13	13	3.9E-05
08.32.30	308	25.1	18.1	58	13	13	3.3E-05
08.32.40	308	25.1	18.0	60	14	14	3.6E-05
08.32.50	308	25.0	18.0	57	13	16	4.7E-05
08.33.00	308	25.1	17.6	47	12	15	4.1E-05
08.33.10	309	24.6	18.3	58	12	14	5.9E-05
08.33.20	308	24.5	18.3	49	14	16	7.1E-05

TABLE 18 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.33.30	310	24.5	18.1	48	15	20	7.2E-05
08.33.40	311	24.7	18.1	48	16	25	5.8E-05
08.33.50	308	24.6	18.3	57	13	23	5.5E-05
08.34.00	311	24.6	18.3	53	12	20	4.7E-05
08.34.10	309	24.7	18.2	55	13	18	5.0E-05
08.34.20	308	25.0	18.1	58	13	17	4.7E-05
08.34.30	309	25.2	17.7	62	13	16	4.6E-05
08.34.40	308	25.1	17.7	61	13	14	4.7E-05
08.34.50	308	25.1	17.8	60	13	13	4.2E-05
08.35.00	308	25.1	17.8	61	13	14	4.0E-05
08.35.10	309	25.1	17.8	63	12	14	4.1E-05
08.35.20	309	25.2	17.8	63	12	15	5.0E-05
08.35.30	310	25.4	17.6	63	12	16	5.7E-05
08.35.40	309	25.3	17.7	61	13	15	5.7E-05
08.35.50	307	25.2	17.7	67	14	14	6.3E-05
08.36.00	308	25.2	17.7	66	12	14	5.6E-05
08.36.10	310	25.3	18.1	68	13	15	4.1E-05
08.36.20	306	25.2	18.8	66	12	14	5.3E-05
08.36.30	308	25.2	19.0	61	15	14	7.2E-05
08.36.40	310	25.2	19.1	59	13	15	8.0E-05
08.36.50	310	25.2	19.6	57	13	17	7.6E-05
08.37.00	308	25.1	20.2	61	14	16	7.6E-05
08.37.10	308	25.1	19.9	60	12	14	7.5E-05
08.37.20	310	25.1	19.1	62	13	14	7.6E-05
08.37.30	309	25.1	19.2	63	13	15	7.3E-05
08.37.40	310	25.0	20.3	63	14	15	7.5E-05
08.37.50	313	24.9	20.4	66	13	15	7.4E-05
08.38.00	310	25.0	20.3	64	13	15	7.4E-05
08.38.10	310	24.9	20.0	56	11	14	7.5E-05
08.38.20	310	25.0	20.0	61	13	13	7.2E-05
08.38.30	312	25.0	19.2	65	13	13	6.8E-05
08.38.40	313	25.0	19.3	68	13	13	6.5E-05
08.38.50	309	24.9	19.6	62	14	13	6.7E-05
08.39.00	310	25.0	19.6	68	12	12	7.2E-05
08.39.10	311	25.1	19.2	65	12	13	6.7E-05
08.39.20	312	25.0	19.3	61	12	15	6.6E-05
08.39.30	310	25.1	19.2	64	12	14	6.4E-05
08.39.40	310	25.2	19.3	65	12	13	6.3E-05
08.39.50	310	25.2	19.2	64	13	14	6.3E-05
08.40.00	310	25.2	19.1	70	12	16	6.3E-05
08.40.10	311	25.3	19.2	69	11	17	6.5E-05
08.40.20	311	25.2	19.1	65	13	16	6.4E-05

TABLE 18 - Continued

	TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
	08.40.30	310	25.2	19.0	62	13	15	6.2E-05
	08.40.40	308	25.2	18.9	66	12	14	6.5E-05
	08.40.50	309	25.2	19.0	61	13	15	7.0E-05
	08.41.00	311	25.2	18.9	57	13	17	8.2E-05
	08.41.10	308	25.2	19.0	50	15	19	9.2E-05
S	08.41.20	306	25.3	19.6	57	17	24	6.2E-05
	08.41.30	270	25.8	19.2	65	14	21	6.0E-05
	08.41.40	234	26.2	19.0	61	11	18	7.1E-05
	08.41.50	203	26.4	19.4	59	13	18	8.0E-05
	08.42.00	178	26.5	19.8	61	14	19	8.6E-05
	08.42.10	157	26.6	20.1	62	12	18	9.4E-05
	08.42.20	144	26.6	20.4	59	13	16	9.6E-05
	08.42.30	168	26.4	19.8	63	14	15	8.8E-05
	08.42.40	150	26.5	20.2	64	12	15	9.3E-05
	08.42.50	141	26.6	20.3	63	12	15	9.2E-05
	08.43.00	166	26.4	20.0	67	11	14	8.9E-05
	08.43.10	232	25.8	19.5	59	12	14	9.3E-05
	08.43.20	278	25.4	19.1	63	12	12	7.9E-05
	08.43.30	303	25.3	19.7	57	13	13	6.6E-05
	08.43.40	324	25.0	20.1	75	12	12	6.4E-05
	08.43.50	352	24.8	20.2	65	14	11	6.6E-05
	08.44.00	376	24.7	20.8	64	11	12	6.4E-05
	08.44.10	404	24.4	20.4	65	11	13	5.7E-05
	08.44.20	437	24.2	20.3	62	12	13	5.5E-05
	08.44.30	469	23.9	20.3	62	12	14	5.1E-05
	08.44.40	496	23.7	20.1	63	12	14	5.5E-05
	08.44.50	521	23.8	18.9	60	12	15	5.7E-05
	08.45.00	552	23.8	18.0	62	12	15	5.6E-05
	08.45.10	585	23.7	17.4	62	13	14	5.8E-05
	08.45.20	619	23.6	17.4	65	11	13	6.1E-05
	08.45.30	651	23.5	17.0	63	12	12	5.0E-05
	08.45.40	681	23.4	16.8	61	13	11	6.2E-05
	08.45.50	709	23.3	16.2	66	10	11	7.2E-05
	08.46.00	734	23.1	16.3	67	12	13	8.2E-05
	08.46.10	758	23.0	16.3	75	13	14	8.5E-05
	08.46.20	784	22.8	16.1	75	13	14	8.8E-05
	08.46.30	813	22.6	15.9	74	11	14	8.3E-05
	08.46.40	838	22.4	15.6	71	11	15	8.2E-05
	08.46.50	864	22.3	15.5	70	12	16	9.5E-05
	08.47.00	890	22.2	15.2	75	12	14	9.6E-05
	08.47.10	914	22.1	14.7	68	12	13	9.3E-05
	08.47.20	940	21.9	14.9	75	12	12	9.3E-05

TABLE 18 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.47.30	968	21.7	14.8	69	13	11	8.9E-05
08.47.40	995	21.5	15.7	70	12	10	1.1E-04
08.47.50	1023	21.2	15.7	78	12	11	1.1E-04
08.48.00	1052	21.0	15.6	85	12	12	1.1E-04
08.48.10	1081	20.8	15.4	84	13	14	1.1E-04
08.48.20	1109	20.7	15.2	78	12	15	9.7E-05
08.48.30	1135	20.6	14.8	76	12	13	9.1E-05
08.48.40	1159	20.6	14.3	61	12	13	8.5E-05
08.48.50	1186	20.5	14.1	64	13	14	7.6E-05
08.49.00	1216	20.2	14.0	69	14	15	7.3E-05
08.49.10	1247	20.0	14.0	68	13	15	6.8E-05
08.49.20	1275	19.8	13.8	64	14	15	7.0E-05
08.49.30	1298	19.7	13.4	71	12	15	6.5E-05
08.49.40	1319	19.6	13.2	63	10	15	6.4E-05
08.49.50	1341	19.6	12.6	66	12	14	5.9E-05
08.50.00	1361	19.6	12.6	63	11	14	5.8E-05
08.50.10	1385	19.4	12.6	66	12	14	5.5E-05
08.50.20	1410	19.2	12.5	68	10	15	5.1E-05
08.50.30	1435	19.1	12.3	67	11	13	4.9E-05
08.50.40	1460	19.0	12.1	67	11	13	4.3E-05
08.50.50	1485	19.0	11.9	65	11	14	4.0E-05
08.51.00	1510	18.8	11.8	61	13	14	3.9E-05
08.51.10	1537	18.6	11.5	64	11	14	3.7E-05
08.51.20	1565	18.4	11.5	65	11	13	4.0E-05
08.51.30	1594	18.1	11.7	65	11	12	4.9E-05
08.51.40	1617	17.8	11.5	66	10	11	5.6E-05
08.51.50	1617	17.8	11.6	72	11	11	6.1E-05
08.52.00	1610	17.9	12.1	68	11	11	6.5E-05
08.52.10	1611	17.9	12.3	70	10	10	7.2E-05
08.52.20	1616	17.8	12.3	66	11	11	7.0E-05
08.52.30	1591	18.1	12.3	69	11	13	7.1E-05
08.52.40	1536	18.7	12.4	68	11	14	6.6E-05
08.52.50	1475	19.2	12.5	70	11	14	6.2E-05
08.53.00	1422	19.5	13.0	68	12	14	6.6E-05
08.53.10	1377	19.7	13.4	71	11	13	6.8E-05
08.53.20	1340	19.9	13.3	72	11	12	6.6E-05
08.53.30	1302	20.1	13.7	67	12	13	6.7E-05
08.53.40	1261	20.2	14.3	67	12	13	7.5E-05
08.53.50	1221	20.5	14.3	71	12	12	7.5E-05
08.54.00	1184	20.8	14.6	67	12	12	7.9E-05
08.54.10	1144	20.9	15.2	71	9	12	9.4E-05
08.54.20	1104	21.2	15.4	81	11	14	9.3E-05

TABLE 18 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.54.30	1068	21.5	15.4	79	12	14	9.5E-05
08.54.40	1038	21.7	15.7	84	11	14	1.0E-04
08.54.50	1014	21.9	15.9	88	13	14	1.1E-04
08.55.00	992	22.0	15.9	77	11	14	1.1E-04
08.55.10	962	22.2	15.4	83	10	15	1.1E-04
08.55.20	924	22.5	14.6	76	12	13	8.3E-05
08.55.30	892	22.7	15.1	73	13	13	8.7E-05
08.55.40	859	22.8	15.4	67	12	11	8.4E-05
08.55.50	819	23.0	15.7	72	11	10	7.2E-05
08.56.00	781	23.2	16.3	77	14	12	8.2E-05
08.56.10	743	23.5	16.7	67	11	12	5.9E-05
08.56.20	708	23.7	16.5	72	10	12	6.8E-05
08.56.30	677	23.9	16.7	66	11	10	6.5E-05
08.56.40	648	24.2	17.0	69	11	9	5.2E-05
08.56.50	609	24.3	17.6	60	10	10	4.4E-05
08.57.00	576	24.4	17.8	63	10	13	4.9E-05
08.57.10	543	24.4	18.6	59	10	13	5.1E-05
08.57.20	514	24.3	19.0	62	10	14	5.6E-05
08.57.30	480	24.5	19.1	61	12	15	5.7E-05
08.57.40	447	24.6	20.2	68	12	16	5.4E-05
08.57.50	413	24.6	20.7	63	13	15	5.3E-05
08.58.00	385	24.8	20.8	58	12	15	5.6E-05
08.58.10	370	24.7	20.9	67	11	15	5.6E-05
08.58.20	369	24.6	20.9	60	12	14	6.0E-05
08.58.30	374	24.4	21.1	64	12	14	6.0E-05
08.58.40	374	24.4	21.1	60	12	14	6.2E-05
08.58.50	374	24.3	21.2	63	12	14	6.2E-05
08.59.00	374	24.3	21.2	59	10	14	6.3E-05
08.59.10	374	24.2	21.1	63	11	14	6.0E-05
08.59.20	375	24.1	21.3	60	12	14	6.0E-05
08.59.30	376	24.2	21.2	60	14	14	6.3E-05
S 08.59.40	376	24.3	21.1	61	13	15	6.0E-05
08.59.50	357	24.5	21.4	63	11	14	6.4E-05
09.00.00	338	24.7	21.3	56	12	14	5.9E-05
09.00.10	327	24.9	21.3	63	13	13	6.0E-05
09.00.20	322	25.0	21.4	54	11	13	5.8E-05
09.00.30	317	25.1	21.3	65	13	13	5.9E-05
09.00.40	315	25.1	20.9	62	13	13	6.1E-05
09.00.50	316	25.2	19.8	65	11	14	6.0E-05
09.01.00	314	25.2	19.3	64	11	13	6.1E-05
09.01.10	311	25.2	19.6	73	13	15	6.4E-05
09.01.20	308	25.2	19.5	59	12	13	6.2E-05

TABLE 18.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.01.30	305	25.3	19.4	65	12	13	6.3E-05
09.01.40	304	25.3	19.3	72	12	14	6.6E-05
09.01.50	304	25.3	19.2	68	10	13	6.7E-05
09.02.00	306	25.2	19.2	63	11	10	7.8E-05
09.02.10	305	25.2	19.2	65	12	10	8.9E-05
09.02.20	306	25.2	19.1	66	11	9	8.0E-05
09.02.30	307	25.2	19.0	63	10	11	8.0E-05
09.02.40	307	25.2	19.0	65	10	13	7.6E-05
09.02.50	306	25.2	19.2	62	13	14	1.0E-04
09.03.00	305	25.2	19.2	61	12	15	1.0E-04
09.03.10	308	25.2	19.2	64	12	14	1.1E-04
09.03.20	307	25.2	19.0	58	13	13	9.2E-05
09.03.30	307	25.2	19.1	63	11	14	1.1E-04
09.03.40	308	25.2	18.9	58	11	14	8.8E-05
09.03.50	307	25.2	18.9	67	13	13	6.9E-05
09.04.00	307	25.3	18.7	58	13	11	6.4E-05
09.04.10	308	25.4	18.5	65	12	12	6.0E-05
09.04.20	309	25.4	18.5	59	12	13	8.3E-05
09.04.30	308	25.4	18.6	63	10	13	9.5E-05
09.04.40	306	25.5	18.6	60	10	12	8.5E-05
09.04.50	308	25.5	18.9	60	12	12	6.3E-05
09.05.00	307	25.5	18.9	65	11	12	6.4E-05
09.05.10	308	25.5	19.1	70	10	11	6.5E-05
09.05.20	308	25.5	19.3	64	13	13	6.3E-05
09.05.30	308	25.5	19.3	66	11	13	6.3E-05
09.05.40	308	25.5	19.4	67	12	13	6.7E-05
09.05.50	308	25.5	19.6	69	12	13	6.2E-05
09.06.00	310	25.6	19.5	63	13	14	6.0E-05
09.06.10	308	25.6	19.8	63	14	14	5.6E-05
09.06.20	308	25.5	20.1	60	12	13	5.5E-05
09.06.30	309	25.6	20.2	58	11	14	5.3E-05
09.06.40	308	25.6	20.3	63	10	13	5.1E-05
09.06.50	307	25.6	20.3	62	11	13	5.2E-05
09.07.00	307	25.5	20.1	67	13	14	5.2E-05
09.07.10	309	25.6	19.4	59	12	13	6.0E-05
09.07.20	308	25.6	19.0	69	13	13	6.5E-05
09.07.30	309	25.6	18.8	70	12	13	7.4E-05
09.07.40	309	25.6	18.7	64	13	13	7.1E-05
09.07.50	310	25.5	18.7	64	11	12	6.9E-05
09.08.00	310	25.4	18.9	58	13	12	7.9E-05
09.08.10	309	25.4	19.3	59	13	13	8.4E-05
09.08.20	304	25.5	19.3	68	12	11	8.7E-05
09.08.30	310	25.4	19.6	64	9	11	8.6E-05

TABLE 19.- URBAN PLUME EXPERIMENT, AUGUST 30, 1979  
(SOUTHWEST FLOW CASE): LEG FE\*

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.25.00	306	25.2	20.3	35	38	64	1.3E-04
09.25.10	310	25.1	20.3	28	39	69	1.4E-04
09.25.20	309	25.1	20.4	31	39	76	1.4E-04
09.25.30	306	25.1	20.3	29	41	77	1.3E-04
09.25.40	306	25.3	20.1	33	37	74	1.3E-04
09.25.50	304	25.4	20.2	36	32	72	1.3E-04
09.26.00	306	25.3	20.2	43	21	63	1.3E-04
09.26.10	306	25.2	20.2	15	36	59	1.4E-04
09.26.20	307	25.3	20.2	24	47	76	1.3E-04
09.26.30	306	25.4	20.1	35	25	69	1.3E-04
09.26.40	306	25.4	20.1	34	22	60	1.3E-04
09.26.50	306	25.4	20.0	29	26	57	1.3E-04
09.27.00	306	25.4	20.1	25	33	59	1.3E-04
09.27.10	307	25.3	20.3	42	28	61	1.3E-04
09.27.20	305	25.3	20.2	39	20	51	1.3E-04
09.27.30	306	25.3	20.1	51	14	42	1.3E-04
09.27.40	304	25.3	20.1	53	15	34	1.3E-04
09.27.50	305	25.3	20.1	65	13	30	1.3E-04
09.28.00	307	25.3	20.2	54	12	26	1.3E-04
09.28.10	306	25.3	20.2	47	12	24	1.3E-04
09.28.20	306	25.3	20.1	43	16	29	1.2E-04
09.28.30	306	25.4	19.9	59	14	30	1.2E-04
09.28.40	305	25.5	20.0	58	12	26	1.2E-04
09.28.50	306	25.4	20.2	48	14	28	1.3E-04
09.29.00	304	25.3	20.2	27	22	32	1.3E-04
09.29.10	304	25.3	20.3	29	26	40	1.3E-04
09.29.20	306	25.3	20.3	41	24	45	1.3E-04
09.29.30	306	25.3	20.3	48	18	43	1.2E-04
09.29.40	307	25.4	20.2	61	15	34	1.3E-04
09.29.50	306	25.4	20.1	40	12	28	1.2E-04
09.30.00	306	25.5	19.8	40	15	26	1.3E-04
09.30.10	307	25.4	20.1	24	31	39	1.3E-04
09.30.20	306	25.4	20.1	24	36	54	1.3E-04
09.30.30	306	25.3	20.2	17	47	60	1.3E-04
09.30.40	306	25.4	19.9	15	53	77	1.4E-04
09.30.50	306	25.4	20.0	22	66	91	1.3E-04
09.31.00	307	25.5	19.9	40	57	—	1.2E-04
09.31.10	306	25.4	20.0	69	21	79	1.1E-04
09.31.20	308	25.4	20.2	52	18	57	1.2E-04
09.31.30	307	25.4	20.2	50	20	51	1.1E-04
09.31.40	307	25.5	20.0	67	15	40	1.1E-04
09.31.50	307	25.3	20.3	66	13	30	1.2E-04



TABLE 19 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.32.00	308	25.5	19.8	64	9	24	1.1E-04
09.32.10	306	25.7	19.3	65	9	20	1.0E-04
09.32.20	305	25.8	19.3	64	9	16	1.0E-04
09.32.30	305	25.8	19.2	62	9	13	1.0E-04
09.32.40	304	25.8	19.2	63	10	11	1.0E-04
09.32.50	305	25.8	19.2	67	9	11	1.0E-04
09.33.00	303	25.7	18.9	56	10	12	1.0E-04
09.33.10	305	25.7	19.2	64	9	12	1.0E-04
09.33.20	306	25.6	19.8	61	9	12	1.0E-04
09.33.30	305	25.5	20.0	69	11	12	1.1E-04
09.33.40	307	25.5	20.1	58	9	11	1.1E-04
09.33.50	307	25.4	20.2	63	9	12	1.1E-04
09.34.00	308	25.4	20.3	66	10	13	1.1E-04
09.34.10	307	25.4	20.3	66	9	12	1.2E-04
09.34.20	307	25.4	20.3	65	11	13	1.1E-04
09.34.30	306	25.4	20.3	64	9	12	1.1E-04
09.34.40	306	25.4	20.3	60	9	11	1.1E-04
09.34.50	306	25.3	20.4	67	10	12	1.2E-04
09.35.00	305	25.1	20.3	64	9	12	1.1E-04
09.35.10	306	25.1	20.1	68	10	12	1.1E-04
09.35.20	305	25.2	20.1	64	11	12	1.2E-04
S 09.35.30	301	25.3	20.3	64	12	14	1.2E-04
09.35.40	270	25.5	20.7	67	13	13	1.3E-04
09.35.50	237	25.6	21.4	63	12	12	1.5E-04
09.36.00	214	25.7	21.6	64	13	14	1.2E-04
09.36.10	193	25.6	21.6	63	12	13	1.2E-04
09.36.20	172	25.7	21.3	63	12	15	1.3E-04
09.36.30	156	25.7	21.6	51	10	16	1.2E-04
09.36.40	142	25.6	21.6	59	10	17	1.1E-04
09.36.50	145	25.3	21.8	55	10	18	1.0E-04
09.37.00	152	25.3	21.7	56	13	22	1.0E-04
09.37.10	158	25.2	21.8	62	13	21	1.1E-04
09.37.20	201	24.9	21.8	58	14	21	1.2E-04
09.37.30	249	24.7	21.9	64	12	20	1.3E-04
09.37.40	289	24.5	21.7	71	9	18	1.4E-04
09.37.50	325	24.4	21.4	62	10	16	1.4E-04
09.38.00	352	24.2	21.3	63	11	14	1.4E-04
09.38.10	381	24.3	20.5	68	10	13	1.5E-04
09.38.20	408	24.2	20.3	62	13	16	1.5E-04
09.38.30	433	24.1	20.2	57	13	20	1.6E-04
09.38.40	464	24.1	19.5	56	18	24	1.8E-04
09.38.50	496	24.0	19.3	84	15	27	1.6E-04

TABLE 19 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.39.00	526	23.9	19.0	73	11	21	1.6E-04
09.39.10	553	23.7	19.0	53	16	26	1.6E-04
09.39.20	581	23.5	19.0	65	18	30	1.5E-04
09.39.30	613	23.3	18.9	78	13	28	1.2E-04
09.39.40	646	23.1	18.6	70	11	23	1.2E-04
09.39.50	679	22.8	18.5	71	10	18	1.2E-04
09.40.00	706	22.6	18.1	80	10	15	1.2E-04
09.40.10	737	22.5	17.8	80	11	12	1.2E-04
09.40.20	774	22.3	17.3	83	12	12	1.3E-04
09.40.30	812	22.1	17.2	83	10	12	1.1E-04
09.40.40	845	21.9	16.9	80	10	12	1.0E-04
09.40.50	876	21.8	16.8	72	13	15	1.2E-04
09.41.00	904	21.9	15.9	67	14	17	1.0E-04
09.41.10	931	21.8	15.7	72	9	18	9.0E-05
09.41.20	961	21.6	15.9	66	9	16	9.8E-05
09.41.30	991	21.3	15.9	79	9	13	1.0E-04
09.41.40	1023	21.1	15.3	71	11	12	9.2E-05
09.41.50	1054	21.1	14.9	73	11	11	8.9E-05
09.42.00	1080	20.9	14.8	75	10	9	9.3E-05
09.42.10	1103	20.8	15.0	76	11	10	9.3E-05
09.42.20	1128	20.6	15.0	73	11	12	9.8E-05
09.42.30	1156	20.4	14.8	70	13	12	9.2E-05
09.42.40	1183	20.4	14.2	70	11	12	8.1E-05
09.42.50	1208	20.3	13.7	68	9	11	6.7E-05
09.43.00	1238	20.1	13.7	64	10	11	6.6E-05
09.43.10	1267	19.9	13.6	66	10	12	6.4E-05
09.43.20	1292	19.7	13.6	65	12	11	6.5E-05
09.43.30	1323	19.4	13.6	65	11	9	6.7E-05
09.43.40	1360	19.1	13.2	70	11	9	6.3E-05
09.43.50	1394	18.8	13.0	66	9	12	5.6E-05
09.44.00	1428	18.5	13.0	63	9	12	5.9E-05
09.44.10	1465	18.4	12.2	68	9	11	4.9E-05
09.44.20	1506	18.2	11.9	68	10	11	4.6E-05
09.44.30	1545	17.8	12.3	68	11	10	5.4E-05
09.44.40	1582	17.5	12.2	73	9	8	5.8E-05
09.44.50	1617	17.1	11.9	63	7	7	5.0E-05
09.45.00	1629	17.2	11.9	62	9	8	5.5E-05
09.45.10	1625	17.3	11.7	61	8	11	5.1E-05
09.45.20	1627	17.3	11.9	73	10	10	5.2E-05
09.45.30	1616	17.4	11.9	68	11	13	5.4E-05
09.45.40	1597	17.6	12.1	70	11	14	5.3E-05
09.45.50	1578	17.7	12.3	69	10	13	5.3E-05

TABLE 19 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.46.00	1556	17.9	12.3	69	10	13	5.2E-05
09.46.10	1497	18.6	12.1	71	7	12	5.8E-05
09.46.20	1444	19.1	12.3	72	9	11	5.5E-05
09.46.30	1401	19.4	13.0	75	10	9	6.0E-05
09.46.40	1355	19.8	13.3	73	11	11	6.4E-05
09.46.50	1307	20.2	13.4	78	11	10	6.3E-05
09.47.00	1265	20.5	13.6	74	8	11	6.3E-05
09.47.10	1234	20.7	13.9	70	7	10	7.1E-05
09.47.20	1209	20.8	14.1	70	9	11	7.9E-05
09.47.30	1176	21.0	14.3	76	7	11	9.2E-05
09.47.40	1133	21.3	14.5	71	10	10	8.6E-05
09.47.50	1082	21.7	14.9	73	11	10	9.6E-05
09.48.00	1039	21.9	15.0	73	10	13	9.3E-05
09.48.10	993	22.1	15.2	73	11	11	9.3E-05
09.48.20	944	22.5	15.6	77	10	11	9.2E-05
09.48.30	892	22.9	15.7	69	11	12	9.5E-05
09.48.40	860	23.0	15.9	72	10	12	1.0E-04
09.48.50	826	22.9	16.8	66	11	12	1.3E-04
09.49.00	786	23.0	17.4	69	11	17	1.1E-04
09.49.10	738	23.3	17.5	78	11	16	1.3E-04
09.49.20	695	23.5	17.8	83	10	13	1.3E-04
09.49.30	651	23.8	18.3	78	12	14	1.3E-04
09.49.40	611	24.1	18.6	68	11	13	1.2E-04
09.49.50	571	24.2	18.7	73	12	13	1.4E-04
09.50.00	532	24.5	18.7	81	14	13	1.6E-04
09.50.10	494	24.8	18.8	82	11	16	1.7E-04
09.50.20	465	24.8	19.3	96	8	16	1.7E-04
09.50.30	437	24.9	19.6	81	9	16	1.5E-04
09.50.40	410	24.9	19.8	77	12	15	1.5E-04
09.50.50	384	25.0	19.9	81	11	15	1.6E-04
09.51.00	369	25.0	19.9	79	11	15	1.6E-04
09.51.10	356	25.0	20.2	83	10	15	1.7E-04
S 09.51.20	323	25.1	20.9	70	12	14	2.3E-04
09.51.30	310	25.0	21.4	64	18	23	1.6E-04
09.51.40	316	24.8	21.2	66	12	19	1.5E-04
09.51.50	315	24.9	21.3	73	11	17	1.5E-04
09.52.00	314	24.8	21.2	72	8	15	1.5E-04
09.52.10	316	24.8	21.3	70	7	14	1.6E-04
09.52.20	315	24.7	21.3	71	8	12	1.6E-04
09.52.30	314	24.6	21.1	73	11	14	1.7E-04
09.52.40	314	24.6	21.3	57	12	15	2.7E-04
09.52.50	316	24.6	21.1	30	37	33	2.4E-04

TABLE 19 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.53.00	316	24.6	21.1	57	27	46	2.2E-04
Aircraft flight path was diverted by the air traffic controller: 09.53.00 aircraft location was 0.5 km northwest of spiral location on leg EF (fig. 2); 10.00.00 aircraft location was 20 km southeast of point E and on leg EF (fig.2)							
10.00.00	124	26.0	22.2	63	11	17	1.3E-04
10.00.10	110	26.1	22.2	64	10	18	1.3E-04
10.00.20	107	26.0	22.4	54	12	20	1.2E-04
10.00.30	101	26.0	22.4	56	11	20	1.2E-04
10.00.40	92	26.0	22.5	55	12	20	1.2E-04
10.00.50	90	26.1	22.4	57	12	19	1.2E-04
10.01.00	91	25.9	22.6	56	11	19	1.2E-04
10.01.10	106	25.7	22.6	61	10	19	1.2E-04
10.01.20	146	25.2	22.4	55	12	18	1.3E-04
10.01.30	171	25.1	22.3	62	11	18	1.4E-04
10.01.40	187	25.1	22.1	67	11	16	1.5E-04
10.01.50	201	25.1	21.8	65	10	15	1.6E-04
10.02.00	219	24.8	22.1	66	12	14	1.5E-04
10.02.10	239	24.6	22.0	65	11	16	1.6E-04
10.02.20	250	24.5	21.8	66	10	17	1.7E-04
10.02.30	261	24.4	21.8	63	13	19	1.6E-04
10.02.40	271	24.3	21.5	64	12	19	1.7E-04
10.02.50	281	24.4	21.2	72	12	20	1.7E-04
10.03.00	293	24.4	21.0	82	11	19	1.7E-04
10.03.10	301	24.3	21.2	77	10	17	1.7E-04
10.03.20	310	24.4	21.0	77	11	15	1.7E-04
10.03.30	319	24.4	20.8	80	8	14	1.7E-04
10.03.40	313	24.5	20.8	80	10	13	1.7E-04
10.03.50	309	24.7	20.6	88	11	14	1.8E-04
10.04.00	307	24.9	20.5	82	10	15	1.8E-04
10.04.10	307	24.8	20.6	88	10	15	1.8E-04
10.04.20	306	25.0	20.5	86	10	15	1.8E-04
10.04.30	304	25.1	20.3	83	11	15	1.8E-04
10.04.40	303	25.1	20.4	77	12	17	1.7E-04
10.04.50	304	25.0	20.8	81	13	20	1.7E-04
10.05.00	304	25.0	20.8	85	11	17	1.7E-04
10.05.10	303	24.8	21.2	77	11	17	1.6E-04
10.05.20	304	25.0	20.6	69	11	17	1.6E-04
10.05.30	302	24.7	21.3	80	10	16	1.6E-04
10.05.40	304	24.5	21.6	65	12	17	1.4E-04
10.05.50	306	24.7	21.3	66	12	19	1.4E-04
10.06.00	304	24.6	21.7	64	13	19	1.4E-04

TABLE 19.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.06.10	303	24.8	21.4	69	10	19	1.4E-04
10.06.20	303	24.5	21.8	64	10	21	1.3E-04
10.06.30	304	24.4	21.9	56	11	20	1.2E-04
10.06.40	306	24.7	21.6	60	11	25	1.3E-04
10.06.50	303	24.4	22.3	62	12	25	1.2E-04
10.07.00	303	24.4	22.2	53	11	24	1.2E-04
10.07.10	308	24.5	22.0	57	13	26	1.3E-04
10.07.20	308	24.4	22.3	56	13	26	1.2E-04
10.07.30	303	24.4	22.4	59	12	24	1.2E-04
10.07.40	301	24.5	22.0	55	11	22	1.2E-04
10.07.50	307	24.5	22.4	58	8	22	1.3E-04
10.08.00	303	24.4	22.6	50	10	21	1.1E-04
10.08.10	293	24.5	22.6	48	12	20	1.2E-04

TABLE 20.- URBAN PLUME EXPERIMENT, AUGUST 30, 1979  
(SOUTHWEST FLOW CASE): LEG CD<sup>1</sup>

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.14.20	303	24.5	20.9	68	11	13	1.1E-04
10.14.30	314	24.3	20.7	59	9	14	1.0E-04
10.14.40	309	24.3	20.8	62	9	17	1.1E-04
10.14.50	304	24.3	21.2	67	11	17	1.1E-04
10.15.00	307	24.6	20.0	62	12	16	1.0E-04
10.15.10	312	24.2	21.1	64	11	14	1.1E-04
10.15.20	307	24.3	21.1	65	11	13	1.1E-04
10.15.30	303	25.4	19.0	66	10	14	1.1E-04
10.15.40	310	25.5	18.7	61	13	12	1.1E-04
10.15.50	307	25.2	19.1	67	13	14	1.1E-04
10.16.00	303	25.5	18.7	70	11	15	1.0E-04
10.16.10	306	25.7	18.5	66	11	14	1.0E-04
10.16.20	308	25.7	18.5	63	13	15	1.0E-04
10.16.30	306	25.5	18.7	66	10	17	1.0E-04
10.16.40	304	25.5	18.6	68	12	17	9.8E-05
10.16.50	304	25.5	18.5	74	9	17	8.8E-05
10.17.00	303	25.6	18.4	70	10	17	1.0E-04
10.17.10	303	25.5	18.3	76	12	15	8.9E-05
10.17.20	304	25.3	18.7	74	11	13	9.1E-05
10.17.30	304	25.4	18.4	76	13	12	9.3E-05
10.17.40	304	25.5	17.8	74	12	13	6.6E-05
10.17.50	304	25.7	18.1	64	9	12	9.2E-05
10.18.00	305	25.7	17.8	65	10	13	7.5E-05
10.18.10	301	25.7	17.9	67	9	12	8.2E-05
10.18.20	303	25.7	18.2	67	9	12	9.5E-05
10.18.30	303	25.6	17.8	68	10	15	8.1E-05
10.18.40	301	25.7	17.9	66	10	15	8.4E-05
10.18.50	304	25.6	17.7	63	9	17	7.1E-05
10.19.00	304	25.6	17.7	66	10	17	7.7E-05
10.19.10	304	25.6	18.0	69	11	17	8.0E-05
10.19.20	303	25.6	17.9	73	11	19	8.5E-05
10.19.30	302	25.7	18.3	63	10	19	9.6E-05
10.19.40	303	25.7	18.2	74	9	18	9.5E-05
10.19.50	306	25.7	18.3	75	10	17	9.9E-05
10.20.00	306	25.7	18.4	77	10	16	9.8E-05
10.20.10	306	25.7	17.9	74	11	17	8.4E-05
10.20.20	303	25.6	18.1	67	11	18	7.9E-05
10.20.30	304	25.6	18.3	70	11	15	8.6E-05
10.20.40	305	25.5	18.7	78	12	13	9.6E-05
10.20.50	304	25.4	19.0	82	11	12	1.1E-04
10.21.00	304	25.4	18.5	71	10	13	9.4E-05
10.21.10	304	25.5	18.6	39	17	21	9.1E-05

<sup>1</sup> point D is at the intersection of leg CD (fig. 2) and the coastline

TABLE 20 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.21.20	305	25.3	18.9	66	17	27	1.0E-04
10.21.30	303	25.2	19.9	65	16	26	1.2E-04
10.21.40	304	25.2	19.7	84	13	24	1.3E-04
10.21.50	304	25.2	19.6	81	11	20	1.3E-04
10.22.00	306	25.2	19.5	79	10	18	1.2E-04
10.22.10	304	25.2	19.3	74	11	16	1.1E-04
10.22.20	303	25.3	19.7	76	12	14	1.2E-04
10.22.30	303	25.2	20.1	88	11	14	1.3E-04
10.22.40	305	25.1	20.2	80	10	13	1.3E-04
10.22.50	304	24.9	20.6	78	10	14	1.4E-04
10.23.00	300	25.1	20.0	68	11	17	1.3E-04
10.23.10	305	25.0	20.5	74	12	15	1.4E-04
10.23.20	303	25.1	20.2	67	11	20	1.3E-04
10.23.30	303	25.1	20.3	71	11	19	1.2E-04
10.23.40	306	25.1	21.0	78	12	20	1.4E-04
10.23.50	303	24.9	21.4	72	16	22	1.4E-04
10.24.00	306	25.0	21.2	68	14	26	1.4E-04
10.24.10	305	25.0	21.3	76	13	27	1.4E-04
10.24.20	306	25.0	21.4	68	15	24	1.4E-04
10.24.30	306	25.1	20.8	76	12	24	1.5E-04
10.24.40	308	25.0	21.3	84	12	24	1.5E-04
10.24.50	308	25.0	21.4	76	14	22	1.4E-04
10.25.00	308	25.0	21.2	78	11	24	1.4E-04
10.25.10	306	25.1	21.2	75	11	24	1.4E-04
10.25.20	307	25.1	21.0	77	10	24	1.4E-04
10.25.30	308	25.1	20.9	74	12	26	1.4E-04
10.25.40	306	25.2	20.6	72	12	25	1.4E-04
10.25.50	313	25.2	21.2	76	12	25	1.4E-04
10.26.00	305	25.4	21.0	78	13	24	1.5E-04
10.26.10	303	25.4	20.6	75	15	26	1.4E-04
10.26.20	310	25.3	20.4	74	14	26	1.4E-04
10.26.30	306	25.4	20.3	78	15	28	1.4E-04
10.26.40	305	25.3	20.5	77	14	27	1.3E-04
10.26.50	306	25.4	20.4	77	13	28	1.3E-04
10.27.00	309	25.4	20.0	81	11	27	1.2E-04
10.27.10	306	25.5	20.3	79	13	27	1.2E-04
10.27.20	310	25.6	20.3	80	11	26	1.2E-04
10.27.30	306	25.6	20.6	84	12	25	1.2E-04
10.27.40	303	25.7	20.6	84	13	28	1.3E-04
10.27.50	310	25.7	20.4	77	12	32	1.3E-04
10.28.00	307	25.8	20.5	78	12	33	1.2E-04
10.28.10	301	25.7	20.3	78	14	34	1.2E-04

TABLE 20.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.28.20	305	25.6	20.2	85	14	35	1.3E-04
10.28.30	310	25.6	19.9	90	13	34	1.2E-04
10.28.40	310	25.5	20.7	83	14	36	1.4E-04
10.28.50	304	25.5	20.5	86	13	37	1.4E-04
10.29.00	309	25.5	20.6	89	14	38	1.5E-04
10.29.10	307	25.5	20.6	88	15	40	1.4E-04
10.29.20	303	25.5	20.5	86	13	40	1.4E-04
10.29.30	302	25.5	20.3	85	12	39	1.4E-04
10.29.40	308	25.5	20.5	93	12	37	1.4E-04
10.29.50	307	25.5	20.8	85	12	36	1.4E-04
10.30.00	305	25.5	20.6	85	13	35	1.4E-04
10.30.10	302	25.5	20.5	87	13	38	1.4E-04
10.30.20	301	25.7	21.0	87	13	36	1.4E-04



TABLE 21.- URBAN PLUME EXPERIMENT, AUGUST 30, 1979  
(SOUTHWEST FLOW CASE): LEG FE\* (SECOND TRAVERSE)

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.38.40	303	25.5	20.1	74	11	12	1.3E-04
10.38.50	307	25.5	19.9	73	13	13	1.4E-04
10.39.00	310	25.5	19.7	68	12	14	1.4E-04
10.39.10	308	25.5	19.8	67	12	17	1.4E-04
10.39.20	307	25.5	20.0	78	13	18	1.3E-04
10.39.30	309	25.4	20.3	73	9	16	1.3E-04
10.39.40	308	25.3	20.3	71	9	13	1.4E-04
10.39.50	307	25.3	20.4	71	10	13	1.3E-04
10.40.00	308	25.3	20.3	68	10	12	1.3E-04
10.40.10	308	25.3	20.3	69	10	11	1.3E-04
10.40.20	308	25.3	20.3	65	11	11	1.2E-04
10.40.30	308	25.4	20.3	73	8	10	1.3E-04
10.40.40	308	25.3	20.2	68	10	10	1.2E-04
10.40.50	308	25.3	20.3	68	10	12	1.3E-04
10.41.00	307	25.3	20.1	74	11	11	1.3E-04
10.41.10	306	25.3	20.1	72	8	12	1.3E-04
10.41.20	306	25.2	20.1	70	8	12	1.3E-04
10.41.30	307	25.2	20.2	71	8	16	1.4E-04
10.41.40	306	25.1	20.0	79	9	16	1.4E-04
10.41.50	306	25.2	20.0	75	8	17	1.2E-04
10.42.00	306	25.3	19.8	71	7	17	1.0E-04
10.42.10	308	25.3	20.0	64	7	14	1.1E-04
10.42.20	309	25.3	20.2	68	9	12	1.1E-04
10.42.30	309	25.3	20.3	68	9	11	1.1E-04
10.42.40	308	25.2	20.3	64	9	11	1.2E-04
10.42.50	306	25.2	20.3	58	9	10	1.2E-04
10.43.00	310	25.3	20.3	63	8	12	1.1E-04
10.43.10	310	25.3	20.3	68	10	12	1.1E-04
10.43.20	308	25.3	20.3	68	10	11	1.1E-04
10.43.30	308	25.3	20.2	65	9	11	1.1E-04
10.43.40	309	25.3	20.2	69	9	8	1.1E-04
10.43.50	308	25.3	20.4	63	8	9	1.1E-04
10.44.00	308	25.3	20.5	66	8	9	1.1E-04
10.44.10	308	25.2	20.3	71	9	11	1.1E-04
10.44.20	308	25.2	20.4	70	10	10	1.2E-04
10.44.30	308	25.2	20.5	74	9	12	1.2E-04
10.44.40	308	25.1	20.3	76	9	14	1.6E-04
10.44.50	308	25.1	20.3	57	14	16	1.6E-04
10.45.00	308	25.2	20.2	63	14	21	1.2E-04
10.45.10	308	25.2	20.0	47	15	25	1.2E-04
10.45.20	308	25.2	20.3	45	20	32	2.5E-04
10.45.30	308	25.2	20.2	33	36	43	3.6E-04

TABLE 21 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.45.40	308	25.2	20.2	71	30	56	2.5E-04
10.45.50	308	25.2	20.3	55	21	49	2.6E-04
10.46.00	308	25.2	20.5	74	17	45	2.1E-04
10.46.10	308	25.2	20.4	67	14	39	2.0E-04
10.46.20	307	25.2	20.5	82	10	35	1.5E-04
10.46.30	308	25.1	20.6	81	13	26	1.5E-04
10.46.40	308	25.0	20.5	81	10	22	1.4E-04
10.46.50	308	25.0	20.7	79	9	18	1.4E-04
10.47.00	308	25.0	20.7	74	9	17	1.4E-04
10.47.10	307	25.0	20.7	74	9	17	1.4E-04
10.47.20	307	25.1	20.7	80	10	14	1.4E-04
10.47.30	307	25.0	20.8	78	10	13	1.4E-04
10.47.40	308	25.0	20.9	77	11	14	1.4E-04
10.47.50	310	25.1	20.5	76	10	13	1.4E-04
10.48.00	313	25.1	20.2	80	10	12	1.5E-04
10.48.10	304	25.3	20.2	79	10	11	1.5E-04
10.48.20	306	25.3	20.3	84	9	12	1.6E-04
10.48.30	312	25.2	20.3	87	10	12	1.6E-04
10.48.40	310	25.1	20.0	80	9	13	1.5E-04
10.48.50	308	25.1	19.6	81	10	14	1.4E-04
10.49.00	309	25.1	19.3	87	10	13	1.4E-04
10.49.10	310	25.1	19.0	86	11	14	1.4E-04
S 10.49.20	305	25.1	19.2	87	10	14	1.3E-04
10.49.30	286	25.3	18.7	90	8	11	1.3E-04
10.49.40	268	25.6	18.7	90	10	11	1.3E-04
10.49.50	253	25.5	19.4	88	10	12	1.3E-04
11.00.00	1633	17.5	11.9	77	12	12	6.3E-05
11.00.10	1627	17.6	11.7	85	10	12	5.8E-05
11.00.20	1598	17.9	12.0	68	11	11	5.8E-05
11.00.30	1567	18.3	11.9	78	8	11	5.9E-05
11.00.40	1534	18.8	12.0	77	7	12	5.8E-05
11.00.50	1503	19.2	12.4	82	6	10	5.6E-05
11.01.00	1478	19.5	11.9	82	7	11	5.5E-05
11.01.10	1451	19.7	12.3	82	8	9	5.7E-05
11.01.20	1425	20.1	11.6	80	9	10	4.9E-05
11.01.30	1404	20.4	10.6	76	8	10	3.4E-05
11.01.40	1386	20.3	10.7	75	10	10	3.6E-05
11.01.50	1361	20.4	11.0	69	10	10	3.7E-05
11.02.00	1324	20.7	11.2	74	10	11	3.4E-05
11.02.10	1282	20.9	11.9	68	10	11	3.6E-05
11.02.20	1239	21.2	13.0	74	10	10	4.6E-05
11.02.30	1192	21.5	13.7	67	8	10	5.8E-05

TABLE 21 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.02.40	1146	21.7	14.5	70	9	8	6.2E-05
11.02.50	1120	21.8	14.7	72	7	7	6.5E-05
11.03.00	1095	21.9	14.9	69	8	9	6.2E-05
11.03.10	1051	22.1	15.0	77	6	12	6.8E-05
11.03.20	1014	22.3	14.9	83	9	14	6.8E-05
11.03.30	982	22.5	14.8	76	9	13	6.5E-05
11.03.40	940	22.7	15.2	74	11	13	6.9E-05
11.03.50	897	22.8	16.0	75	10	13	9.2E-05
11.04.00	852	22.9	16.4	80	9	13	1.1E-04
11.04.10	809	23.3	16.5	84	9	13	1.1E-04
11.04.20	767	23.5	16.3	82	11	13	1.0E-04
11.04.30	728	23.8	16.8	77	10	11	9.0E-05
11.04.40	690	24.0	16.9	77	10	12	9.5E-05
11.04.50	655	24.3	17.0	81	9	13	1.0E-04
11.05.00	622	24.6	17.2	87	8	14	1.1E-04
11.05.10	591	24.7	17.7	82	8	13	1.1E-04
11.05.20	557	24.7	18.2	89	7	11	1.7E-04
11.05.30	530	24.8	18.6	72	15	18	2.1E-04
11.05.40	507	24.8	18.9	82	16	25	1.9E-04
11.05.50	486	24.7	19.3	78	14	26	1.7E-04
11.06.00	472	24.8	19.3	78	15	24	1.8E-04
11.06.10	453	24.9	19.6	89	15	23	1.6E-04
11.06.20	432	25.0	19.8	85	13	22	1.7E-04
11.06.30	386	25.3	20.0	32	30	31	3.6E-04
11.06.40	353	25.4	19.7	52	28	46	2.5E-04
S 11.06.50	321	25.5	19.4	73	26	62	1.5E-04
11.07.00	312	25.4	20.2	88	15	49	1.5E-04
11.07.10	316	25.4	19.4	79	13	35	1.5E-04
11.07.20	318	25.4	19.1	85	10	26	1.4E-04
11.07.30	317	25.3	19.2	89	12	19	1.4E-04
11.07.40	316	25.2	19.6	87	10	15	1.5E-04
11.07.50	317	25.2	19.6	89	9	15	1.5E-04
11.08.00	317	25.2	19.2	85	10	13	1.5E-04
11.08.10	319	25.3	19.3	87	11	13	1.4E-04
11.08.20	320	25.3	20.0	84	11	13	1.5E-04
11.08.30	317	25.3	20.3	87	12	13	1.6E-04
11.08.40	317	25.2	20.5	89	10	15	1.8E-04
11.08.50	317	25.0	21.0	91	9	17	2.0E-04
11.09.00	319	25.0	21.4	88	12	20	2.0E-04
11.09.10	319	25.0	21.6	93	10	19	1.7E-04
11.09.20	319	25.0	21.5	92	10	19	1.8E-04
11.09.30	319	24.9	21.7	95	9	19	1.7E-04

TABLE 21.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.09.40	319	25.0	21.2	96	12	17	1.8E-04
11.09.50	319	25.0	21.6	101	10	19	1.7E-04
11.10.00	319	24.9	21.5	96	12	21	1.8E-04
11.10.10	323	24.8	21.6	84	12	22	1.9E-04
11.10.20	321	24.9	21.5	89	13	23	1.8E-04
11.10.30	320	25.2	21.5	89	12	25	1.8E-04
11.10.40	320	25.3	21.6	99	10	23	1.6E-04
11.10.50	318	25.4	21.4	93	10	22	1.6E-04
11.11.00	319	25.4	21.4	93	8	19	1.6E-04
11.11.10	320	25.3	21.3	95	8	20	1.6E-04
11.11.20	317	25.6	20.8	91	9	20	1.7E-04
11.11.30	320	25.1	21.4	92	11	21	1.6E-04
11.11.40	323	25.2	21.3	98	13	21	1.6E-04
11.11.50	320	25.2	21.5	96	11	23	1.6E-04
11.12.00	319	25.2	21.4	95	12	23	1.5E-04
11.12.10	321	25.1	21.7	91	8	22	1.5E-04
11.12.20	319	25.4	20.5	89	11	18	1.5E-04
11.12.30	319	25.2	21.4	100	11	18	1.5E-04
11.12.40	320	25.2	21.4	92	11	18	1.5E-04
11.12.50	319	25.2	21.7	90	12	20	1.6E-04
11.13.00	321	25.2	21.9	96	10	20	1.6E-04
11.13.10	319	25.4	21.4	97	10	21	1.5E-04
11.13.20	317	25.6	21.2	89	10	22	1.4E-04
11.13.30	319	25.6	21.3	84	10	22	1.4E-04
11.13.40	322	25.7	21.4	84	13	23	1.4E-04
11.13.50	319	25.9	21.6	84	12	23	1.4E-04
11.14.00	313	26.0	21.3	86	12	23	1.4E-04
11.14.10	314	25.8	21.4	89	11	22	1.4E-04
11.14.20	318	25.7	21.3	87	12	23	1.4E-04
11.14.30	319	25.7	21.2	85	11	21	1.4E-04
11.14.40	319	25.8	21.3	91	11	22	1.4E-04
11.14.50	315	25.8	21.5	89	11	21	1.4E-04
11.15.00	316	25.7	21.9	83	10	20	1.4E-04
11.15.10	310	25.7	21.6	78	10	21	1.3E-04

TABLE 22.- URBAN PLUME EXPERIMENT, AUGUST 30, 1979  
(NORTHWEST FLOW CASE): LEG CD

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.51.10	299	27.3	21.3	151	13	22	1.9E-04
14.51.20	301	27.3	21.4	150	12	20	1.9E-04
14.51.30	301	27.2	21.5	151	11	20	1.9E-04
14.51.40	299	27.2	21.5	152	10	20	2.0E-04
14.51.50	299	27.1	21.5	147	11	18	1.9E-04
14.52.00	298	27.1	21.6	152	10	17	2.1E-04
14.52.10	300	27.1	21.5	162	11	17	2.0E-04
14.52.20	113	18.4	40.7	42	11	17	2.0E-04
14.52.30	299	27.1	21.4	147	12	17	1.8E-04
14.52.40	299	27.2	21.3	152	9	16	1.9E-04
14.52.50	301	27.2	21.4	151	12	18	1.9E-04
14.53.00	299	27.3	20.9	146	12	19	1.8E-04
14.53.10	299	27.3	21.1	141	11	19	1.8E-04
14.53.20	299	27.2	21.2	150	11	19	1.9E-04
14.53.30	298	27.3	21.4	152	10	19	1.9E-04
14.53.40	298	27.3	21.3	147	9	19	1.9E-04
14.53.50	297	27.3	21.3	148	11	19	2.0E-04
14.54.00	299	27.4	21.2	145	13	19	1.9E-04
14.54.10	299	27.5	21.2	149	13	20	1.9E-04
14.54.20	299	27.5	21.1	141	12	19	1.8E-04
14.54.30	299	27.4	21.3	143	12	17	1.9E-04
14.54.40	299	27.5	21.3	150	11	17	1.9E-04
14.54.50	300	27.6	21.2	141	10	18	1.9E-04
14.55.00	297	27.5	21.2	142	11	18	1.9E-04
14.55.10	298	27.5	21.0	151	10	18	1.9E-04
14.55.20	301	27.5	21.2	147	10	18	1.9E-04
14.55.30	301	27.5	20.4	136	14	21	1.8E-04
14.55.40	299	27.7	18.2	104	18	25	1.8E-04
14.55.50	302	27.9	20.7	129	10	16	1.6E-04
14.56.00	297	28.0	18.9	127	14	20	1.6E-04
14.56.10	299	28.0	20.9	134	11	18	1.6E-04
14.56.20	299	28.0	20.8	135	12	18	1.6E-04
14.56.30	299	28.1	20.8	133	11	19	1.6E-04
14.56.40	298	28.2	20.8	135	11	18	1.6E-04
14.56.50	298	28.1	20.8	136	11	18	1.5E-04
14.57.00	299	28.2	21.0	130	11	18	1.6E-04
14.57.10	301	28.1	21.0	132	11	18	1.6E-04
14.57.20	304	28.2	20.8	129	12	19	1.5E-04
14.57.30	301	28.3	20.7	131	12	17	1.5E-04
14.57.40	300	28.6	20.3	124	11	17	1.3E-04
14.57.50	297	29.0	19.8	109	12	18	1.2E-04
14.58.00	295	29.0	19.9	112	11	18	1.2E-04

TABLE 22 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.58.10	297	29.0	20.5	103	12	19	1.2E-04
14.58.20	292	29.1	20.1	107	10	19	1.2E-04
14.58.30	290	29.0	20.0	107	10	18	1.2E-04
14.58.40	294	28.9	20.0	108	10	17	1.2E-04
14.58.50	301	28.6	20.3	108	12	16	1.2E-04
14.59.00	299	28.6	20.5	111	11	17	1.3E-04
14.59.10	296	28.7	20.3	112	11	18	1.3E-04
14.59.20	297	28.7	20.4	109	10	17	1.3E-04
14.59.30	297	28.5	20.7	102	11	16	1.3E-04
14.59.40	304	28.4	20.7	105	11	17	1.2E-04
14.59.50	301	28.7	20.7	102	11	17	1.2E-04
15.00.00	288	28.9	21.0	99	10	18	1.2E-04
15.00.10	300	28.5	20.9	97	11	19	1.2E-04
15.00.20	297	28.5	20.7	97	11	17	1.2E-04
15.00.30	302	28.3	20.8	92	10	15	1.1E-04
15.00.40	300	28.2	20.7	89	11	15	1.1E-04
15.00.50	299	28.2	20.7	95	12	16	1.1E-04
15.01.00	300	28.2	20.7	95	11	16	1.1E-04
15.01.10	302	28.1	20.8	89	11	15	1.1E-04
15.01.20	304	28.1	20.8	84	10	13	1.1E-04
15.01.30	300	28.1	20.8	91	10	14	1.1E-04
15.01.40	302	28.1	20.8	95	11	14	1.1E-04
15.01.50	303	28.1	20.9	78	11	12	1.1E-04
15.02.00	304	28.2	20.9	89	12	13	1.1E-04
15.02.10	303	28.1	20.8	93	12	15	1.1E-04
15.02.20	303	28.3	20.8	89	12	16	1.1E-04
15.02.30	305	28.3	20.9	81	11	16	1.1E-04
15.02.40	302	28.3	20.9	83	11	15	1.1E-04
15.02.50	303	28.3	20.8	86	10	13	1.0E-04
15.03.00	303	28.3	20.9	82	10	13	1.0E-04
15.03.10	303	28.2	21.0	83	11	14	1.1E-04
15.03.20	304	28.1	21.0	82	11	14	1.0E-04
15.03.30	304	28.2	21.1	89	12	12	1.0E-04
15.03.40	302	28.2	21.1	87	11	13	1.1E-04
15.03.50	305	28.2	21.1	88	10	12	1.1E-04
15.04.00	305	28.2	21.1	91	12	13	1.1E-04
15.04.10	301	28.2	21.2	87	11	14	1.1E-04
15.04.20	303	28.1	21.4	97	11	14	1.2E-04
15.04.30	307	27.9	21.5	95	11	15	1.2E-04
15.04.40	308	28.1	21.3	96	10	15	1.1E-04
15.04.50	306	28.8	20.3	91	9	15	1.1E-04
15.05.00	299	29.3	19.8	99	9	15	1.1E-04

TABLE 22.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.05.10	292	29.4	19.8	93	11	15	1.1E-04
15.05.20	299	29.3	19.9	91	11	16	1.1E-04
15.05.30	302	29.4	19.7	92	11	15	1.1E-04
15.05.40	300	29.4	19.9	94	11	15	1.1E-04
15.05.50	295	29.6	19.4	90	11	14	1.0E-04
15.06.00	300	29.4	19.7	90	10	14	1.0E-04
15.06.10	294	29.4	19.8	89	10	14	1.1E-04
15.06.20	306	29.5	19.8	90	9	13	1.1E-04
15.06.30	298	29.6	18.7	95	9	14	1.1E-04
15.06.40	293	29.6	19.1	94	10	13	1.0E-04
15.06.50	302	29.4	19.5	90	10	13	1.1E-04
15.07.00	299	29.5	19.5	90	11	14	1.1E-04
15.07.10	296	29.6	19.1	100	10	14	1.1E-04
15.07.20	301	29.6	18.9	97	11	14	1.1E-04
15.07.30	300	29.6	19.0	99	10	13	1.1E-04
15.07.40	299	29.6	19.4	104	12	15	1.1E-04
15.07.50	301	29.6	19.6	97	14	16	1.1E-04
15.08.00	300	29.6	19.2	99	13	15	1.1E-04
15.08.10	308	29.4	19.7	94	11	15	1.2E-04
15.08.20	305	29.7	18.9	94	11	15	1.1E-04
15.08.30	295	29.8	18.7	94	12	14	1.2E-04
15.08.40	302	29.6	18.9	92	10	13	1.2E-04
15.08.50	309	29.4	18.9	94	10	14	1.1E-04
15.09.00	301	29.8	17.6	89	10	15	1.1E-04
15.09.10	304	29.7	18.1	86	9	13	1.1E-04
15.09.20	302	29.7	18.9	86	11	13	1.1E-04
15.09.30	308	29.7	19.5	88	10	13	1.2E-04
15.09.40	301	29.8	19.1	91	11	14	1.1E-04
15.09.50	299	29.8	19.4	94	11	15	1.1E-04
15.10.00	303	29.6	19.2	94	11	15	1.1E-04
15.10.10	308	29.6	19.7	97	10	14	1.1E-04

TABLE 23.- URBAN PLUME EXPERIMENT, AUGUST 30, 1979  
(NORTHWEST FLOW CASE): LEG FE\*

	TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
	15.15.00	301	29.4	19.7	97	11	15	1.0E-04
	15.15.10	304	29.4	19.8	96	10	14	1.0E-04
	15.15.20	303	29.3	20.2	95	11	14	1.0E-04
	15.15.30	306	29.3	20.3	92	13	13	1.0E-04
	15.15.40	302	29.4	19.9	84	12	13	1.0E-04
	15.15.50	296	29.5	19.4	96	11	13	1.0E-04
	15.16.00	312	29.2	20.2	93	10	14	1.0E-04
	15.16.10	309	29.1	20.4	75	11	13	9.8E-05
	15.16.20	283	29.5	20.3	85	13	13	9.6E-05
S	15.16.30	258	29.8	20.3	88	12	14	1.0E-04
	15.16.40	231	30.1	20.4	83	11	13	9.4E-05
	15.16.50	207	30.6	20.7	83	11	13	9.5E-05
	15.17.00	178	30.9	20.5	81	12	13	9.6E-05
	15.17.10	152	31.2	20.6	73	11	13	9.3E-05
	15.17.20	137	31.3	20.3	78	11	14	9.6E-05
	15.17.30	138	31.1	20.1	71	9	15	9.4E-05
	15.17.40	148	30.8	20.5	76	9	14	9.6E-05
	15.17.50	152	30.6	20.8	73	10	14	9.2E-05
	15.18.00	149	30.6	20.9	69	13	14	9.1E-05
	15.18.10	167	30.3	20.5	71	11	13	9.5E-05
	15.18.20	205	29.9	20.5	73	11	12	9.4E-05
	15.18.30	233	29.6	20.4	75	11	12	9.1E-05
	15.18.40	263	29.4	20.2	69	11	12	9.2E-05
	15.18.50	290	29.1	20.5	75	10	15	9.9E-05
	15.19.00	320	28.6	20.5	68	12	14	9.8E-05
	15.19.10	349	28.5	20.4	67	12	15	9.7E-05
	15.19.20	367	28.4	19.6	76	11	18	1.0E-04
	15.19.30	392	28.2	19.6	82	11	19	1.0E-04
	15.19.40	424	27.8	19.8	79	10	18	9.6E-05
	15.19.50	447	27.6	19.3	79	10	16	9.9E-05
	15.20.00	462	27.4	19.8	78	10	16	9.9E-05
	15.20.10	483	27.2	19.9	74	10	16	9.9E-05
	15.20.20	510	27.0	20.0	79	9	15	9.8E-05
	15.20.30	551	26.9	19.7	77	10	13	9.4E-05
	15.20.40	586	26.6	19.5	76	12	15	9.3E-05
	15.20.50	630	26.0	19.6	73	12	17	9.5E-05
	15.21.00	658	25.7	19.6	70	11	15	9.0E-05
	15.21.10	679	25.6	19.4	75	12	14	9.1E-05
	15.21.20	716	25.3	19.6	76	11	13	9.3E-05
	15.21.30	747	25.1	18.5	73	8	15	9.5E-05
	15.21.40	769	24.8	19.6	75	10	15	9.3E-05
	15.21.50	800	24.6	18.9	67	11	14	9.7E-05



TABLE 23 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.22.00	821	24.6	17.4	77	11	13	1.0E-04
15.22.10	841	24.3	17.8	86	12	13	1.0E-04
15.22.20	864	24.0	17.9	90	12	12	1.0E-04
15.22.30	889	23.8	17.8	86	11	12	1.1E-04
15.22.40	910	23.6	17.7	89	9	12	1.1E-04
15.22.50	933	23.4	17.4	88	10	14	1.0E-04
15.23.00	949	23.1	18.3	85	11	13	1.0E-04
15.23.10	975	22.8	18.5	78	10	14	1.0E-04
15.23.20	1005	22.4	18.6	82	10	13	9.9E-05
15.23.30	1034	22.1	18.7	81	10	14	1.0E-04
15.23.40	1072	21.7	18.8	87	11	13	1.0E-04
15.23.50	1113	21.3	18.9	81	10	14	9.9E-05
15.24.00	1148	21.0	17.7	76	10	14	1.0E-04
15.24.10	1175	20.9	16.6	81	11	15	1.0E-04
15.24.20	1202	20.6	16.8	83	13	16	1.0E-04
15.24.30	1221	20.5	16.2	92	14	16	1.1E-04
15.24.40	1238	20.6	15.8	86	10	15	1.1E-04
15.24.50	1264	20.5	15.7	89	10	13	1.0E-04
15.25.00	1287	20.6	14.7	86	10	14	1.0E-04
15.25.10	1315	20.3	14.9	82	11	13	9.6E-05
15.25.20	1343	20.0	14.8	79	12	13	8.9E-05
15.25.30	1371	19.5	16.0	75	12	12	9.1E-05
15.25.40	1405	19.2	15.4	74	11	13	9.1E-05
15.25.50	1438	19.0	14.6	76	10	13	9.4E-05
15.26.00	1460	18.8	14.7	79	10	14	9.3E-05
15.26.10	1486	18.6	14.7	73	10	14	9.3E-05
15.26.20	1513	18.3	14.6	82	10	14	9.9E-05
15.26.30	1541	18.0	14.8	88	10	15	1.0E-04
15.26.40	1572	17.7	15.1	82	11	16	1.0E-04
15.26.50	1599	17.7	13.7	85	10	16	1.0E-04
15.27.00	1624	18.1	11.0	86	11	16	6.8E-05
15.27.10	1643	18.1	10.3	77	12	15	6.1E-05
15.27.20	1638	18.1	11.4	73	11	14	6.4E-05
15.27.30	1636	17.9	12.9	78	8	15	8.9E-05
15.27.40	1637	17.8	13.2	83	11	15	9.2E-05
15.27.50	1630	17.9	13.4	87	11	14	9.8E-05
15.28.00	1603	18.1	13.8	83	12	12	1.0E-04
15.28.10	1587	18.5	13.4	82	12	13	9.9E-05
15.28.20	1557	18.8	12.8	81	11	13	8.5E-05
15.28.30	1519	19.0	13.9	81	9	14	8.5E-05
15.28.40	1489	19.1	14.2	76	11	15	9.0E-05
15.28.50	1459	19.4	14.8	77	10	14	9.1E-05

TABLE 23 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) ( $m^{-1}$ )
15.29.00	1428	19.6	15.0	82	12	10	9.5E-05
15.29.10	1394	19.8	15.3	82	10	10	9.9E-05
15.29.20	1359	20.1	15.4	81	8	10	1.0E-04
15.29.30	1324	20.3	16.4	81	9	11	1.0E-04
15.29.40	1286	20.7	16.5	83	9	10	1.0E-04
15.29.50	1249	20.9	17.3	84	9	11	1.0E-04
15.30.00	1212	21.1	17.9	81	8	11	1.0E-04
15.30.10	1173	21.5	18.1	80	12	14	1.0E-04
15.30.20	1131	22.0	17.9	91	11	16	1.0E-04
15.30.30	1098	22.4	17.7	93	10	17	1.0E-04
15.30.40	1071	22.7	17.2	88	11	18	1.0E-04
15.30.50	1038	23.1	17.0	86	12	18	1.1E-04
15.31.00	1007	23.3	17.6	89	12	16	1.0E-04
15.31.10	982	23.5	17.9	90	14	15	1.0E-04
15.31.20	962	23.4	18.8	89	12	16	1.1E-04
15.31.30	936	23.6	18.2	90	11	13	1.0E-04
15.31.40	903	24.2	17.5	91	12	13	1.1E-04
15.31.50	869	24.6	16.9	85	11	14	1.1E-04
15.32.00	829	24.9	18.0	89	9	12	1.0E-04
15.32.10	785	25.2	18.3	81	11	11	1.0E-04
15.32.20	744	25.6	18.9	85	10	11	9.8E-05
15.32.30	700	26.0	19.3	76	9	10	9.7E-05
15.32.40	656	26.4	19.4	74	9	11	9.3E-05
15.32.50	603	27.0	19.1	81	10	12	9.8E-05
15.33.00	556	27.6	19.4	76	10	12	9.7E-05
15.33.10	533	27.7	19.6	80	10	12	9.7E-05
15.33.20	494	28.0	19.6	79	8	13	9.8E-05
15.33.30	454	28.4	19.5	76	9	11	9.7E-05
15.33.40	425	28.7	19.4	74	10	11	9.6E-05
15.33.50	400	28.7	19.5	79	10	13	1.0E-04
15.34.00	376	28.9	19.5	82	13	12	1.0E-04
15.34.10	353	29.0	19.9	84	10	12	1.0E-04
15.34.20	338	29.3	20.2	92	11	11	9.9E-05
15.34.30	334	29.4	20.2	83	12	12	1.0E-04
15.34.40	321	29.5	20.2	82	11	14	9.8E-05
15.34.50	308	29.5	20.0	75	10	14	9.7E-05
S 15.35.00	304	29.6	20.3	77	12	15	9.4E-05
15.35.10	300	29.6	19.7	70	10	15	9.9E-05
15.35.20	303	29.4	19.8	82	11	13	1.0E-04
15.35.30	309	29.4	19.5	75	10	12	1.0E-04
15.35.40	306	29.4	19.6	76	10	12	1.0E-04
15.35.50	311	29.4	19.8	80	9	11	1.0E-04

TABLE 23 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.36.00	306	29.2	20.0	77	10	12	9.3E-05
15.36.10	301	29.4	19.6	66	10	13	9.4E-05
15.36.20	306	29.4	19.2	75	10	12	9.4E-05
15.36.30	306	29.3	19.4	76	9	12	9.9E-05
15.36.40	308	29.2	19.0	77	10	11	9.8E-05
15.36.50	313	29.2	19.3	88	9	10	9.9E-05
15.37.00	308	29.2	19.5	87	11	9	9.7E-05
15.37.10	309	29.2	20.0	76	12	10	9.6E-05
15.37.20	315	29.2	20.0	74	11	11	9.5E-05
15.37.30	305	29.3	19.9	69	9	13	9.5E-05
15.37.40	312	29.2	20.3	72	10	16	1.0E-04
15.37.50	308	29.2	20.2	76	9	17	1.0E-04
15.38.00	304	29.2	20.2	80	9	16	1.0E-04
15.38.10	310	29.2	19.7	81	11	15	1.0E-04
15.38.20	315	29.2	19.7	80	11	16	1.0E-04
15.38.30	303	29.4	19.0	85	9	16	1.0E-04
15.38.40	312	29.3	19.3	80	10	16	1.0E-04
15.38.50	317	29.3	19.0	83	9	16	1.0E-04
15.39.00	304	29.4	19.2	89	9	16	1.0E-04
15.39.10	319	29.3	19.5	90	8	17	1.0E-04
15.39.20	312	29.4	19.6	90	12	16	1.0E-04
15.39.30	304	29.5	18.7	95	11	17	1.0E-04
15.39.40	310	29.4	18.7	86	10	17	1.0E-04
15.39.50	321	29.4	18.4	89	10	16	1.0E-04
15.40.00	310	29.9	18.7	90	11	15	1.1E-04
15.40.10	308	29.9	19.0	82	10	16	1.1E-04
15.40.20	303	29.9	19.2	93	12	19	1.1E-04
15.40.30	297	30.0	18.6	96	12	22	1.0E-04
15.40.40	314	29.2	20.7	100	12	21	1.3E-04
15.40.50	301	29.2	20.7	118	12	25	1.4E-04
15.41.00	302	29.2	20.7	120	11	26	1.4E-04
15.41.10	306	29.0	20.8	113	12	27	1.3E-04
15.41.20	299	29.1	20.5	112	13	25	1.3E-04
15.41.30	306	28.9	20.6	109	13	23	1.2E-04
15.41.40	307	28.6	20.7	105	11	23	1.3E-04
15.41.50	307	28.4	20.7	112	10	25	1.3E-04
15.42.00	307	28.1	21.1	113	11	22	1.4E-04
15.42.10	309	28.2	20.6	115	10	21	1.3E-04
15.42.20	308	28.3	20.5	108	8	21	1.2E-04
15.42.30	304	28.9	19.9	108	10	21	1.1E-04
15.42.40	313	28.9	19.4	100	12	21	1.0E-04
15.42.50	311	28.7	19.7	104	11	19	1.0E-04

TABLE 23 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.43.00	308	28.6	19.4	101	11	19	1.0E-04
15.43.10	311	28.5	19.5	104	10	17	1.1E-04
15.43.20	310	27.7	20.2	101	10	16	1.2E-04
15.43.30	312	27.7	20.0	120	9	15	1.3E-04
15.43.40	308	28.3	19.3	106	10	16	1.1E-04
15.43.50	312	28.2	19.4	107	10	18	1.1E-04
15.44.00	315	28.0	19.7	107	12	20	1.2E-04
15.44.10	308	28.1	19.6	108	12	18	1.2E-04
15.44.20	310	28.3	19.4	109	11	17	1.1E-04
15.44.30	312	28.2	19.3	103	12	16	1.1E-04
15.44.40	308	28.4	19.3	107	11	16	1.1E-04
15.44.50	310	28.3	18.9	98	12	17	1.0E-04
15.45.00	312	28.3	18.7	90	8	15	1.0E-04
15.45.10	312	28.4	18.3	88	11	13	9.2E-05
15.45.20	309	28.5	18.3	90	13	12	9.3E-05
15.45.30	312	28.6	18.0	91	11	11	8.7E-05
15.45.40	309	28.6	17.7	89	8	11	7.9E-05
15.45.50	312	28.6	17.7	75	9	12	7.7E-05
15.46.00	310	28.6	17.2	77	10	14	7.1E-05
15.46.10	308	28.5	17.9	80	10	13	7.9E-05
15.46.20	310	28.3	18.1	95	9	14	8.5E-05
15.46.30	307	28.4	18.1	84	10	12	8.5E-05
15.46.40	307	28.4	17.8	97	11	11	8.0E-05
15.46.50	310	28.4	17.7	81	11	12	7.4E-05
15.47.00	308	28.5	17.6	75	11	11	7.1E-05
15.47.10	308	28.5	17.5	77	10	11	7.3E-05
15.47.20	308	28.1	19.7	105	11	10	1.3E-04
15.47.30	310	28.1	19.8	142	10	13	1.5E-04
15.47.40	309	28.0	20.0	140	10	15	1.5E-04
15.47.50	309	27.9	19.7	144	8	14	1.5E-04
15.48.00	309	27.9	19.5	130	11	14	1.4E-04
15.48.10	310	27.9	18.9	128	12	16	1.2E-04
15.48.20	311	27.8	19.0	110	14	17	1.1E-04
15.48.30	312	27.7	19.9	132	11	17	1.4E-04
15.48.40	312	27.6	20.1	146	11	18	1.5E-04
15.48.50	308	27.7	20.0	143	10	19	1.5E-04
15.49.00	309	27.7	20.5	142	9	17	1.6E-04
15.49.10	310	27.6	20.6	153	10	16	1.6E-04
15.49.20	310	27.5	20.6	147	11	16	1.7E-04
15.49.30	313	27.4	20.4	160	9	15	1.6E-04
15.49.40	314	27.4	20.9	164	9	17	1.7E-04
15.49.50	312	27.5	20.9	158	11	18	1.8E-04

TABLE 23.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.50.00	311	27.5	20.7	154	10	17	1.7E-04
15.50.10	312	27.5	20.6	156	9	17	1.7E-04
15.50.20	313	27.4	20.8	155	9	18	1.7E-04
15.50.30	312	27.4	20.9	150	10	18	1.8E-04
15.50.40	312	27.5	21.0	158	10	19	1.8E-04
15.50.50	312	27.4	21.1	150	10	20	1.8E-04
15.51.00	312	27.4	21.1	152	10	18	1.9E-04
15.51.10	312	27.5	21.0	161	9	18	1.9E-04
15.51.20	314	27.4	21.1	145	10	18	2.0E-04
15.51.30	314	27.5	21.0	148	10	18	1.9E-04
15.51.40	312	27.5	21.0	144	10	17	2.0E-04
15.51.50	312	27.6	20.8	146	10	16	1.9E-04
15.52.00	319	27.7	20.6	148	10	17	1.9E-04
15.52.10	310	27.7	20.4	132	12	17	1.8E-04
15.52.20	309	27.7	20.5	131	13	17	1.8E-04
15.52.30	313	27.6	20.3	127	11	16	1.9E-04
15.52.40	312	27.5	20.4	132	11	16	2.0E-04
15.52.50	313	27.5	20.7	139	9	16	2.1E-04
15.53.00	312	27.5	20.7	141	8	15	2.1E-04
15.53.10	316	27.4	20.7	144	8	17	2.2E-04
15.53.20	314	27.4	20.9	144	9	16	2.2E-04
15.53.30	314	27.5	20.7	138	8	15	2.2E-04
15.53.40	314	27.5	20.4	127	11	15	2.3E-04
15.53.50	312	27.6	19.9	127	10	16	2.3E-04
15.54.00	317	27.7	19.7	121	12	17	2.2E-04
15.54.10	317	27.9	19.8	127	9	16	2.2E-04

TABLE 24.- URBAN PLUME EXPERIMENT, AUGUST 30, 1979  
(NORTHWEST FLOW CASE): LEG 1J\*

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.08.50	310	26.5	18.6	86	9	12	1.1E-04
16.09.00	312	26.5	18.4	96	8	13	1.0E-04
16.09.10	318	26.5	18.1	82	9	13	6.6E-05
16.09.20	320	26.4	18.0	66	11	13	7.1E-05
16.09.30	314	26.5	18.5	85	8	12	9.8E-05
16.09.40	314	26.5	18.6	89	11	11	1.1E-04
16.09.50	317	26.4	19.0	94	9	9	1.4E-04
16.10.00	316	26.5	18.7	104	11	11	1.3E-04
16.10.10	316	26.4	19.1	96	12	13	1.5E-04
16.10.20	314	26.4	19.3	106	11	16	1.6E-04
16.10.30	315	26.3	19.1	124	11	12	1.6E-04
16.10.40	317	26.3	19.1	109	10	12	1.5E-04
16.10.50	315	26.3	19.0	98	7	11	1.5E-04
16.11.00	315	26.5	18.9	104	8	12	1.5E-04
16.11.10	315	26.6	18.9	126	9	12	1.6E-04
16.11.20	316	26.6	19.6	136	8	11	1.7E-04
16.11.30	315	26.6	20.3	191	7	12	1.9E-04
16.11.40	316	26.5	20.5	213	7	13	2.0E-04
16.11.50	317	26.5	20.6	222	9	16	2.0E-04
16.12.00	317	26.5	20.5	218	9	18	2.0E-04
16.12.10	316	26.5	20.5	208	8	18	1.8E-04
16.12.20	317	26.5	20.4	165	9	19	1.4E-04
16.12.30	314	26.4	20.4	136	9	18	1.3E-04
16.12.40	316	26.5	20.5	157	7	16	1.7E-04
16.12.50	316	26.5	20.2	173	8	18	1.3E-04
16.13.00	318	26.4	20.2	118	12	17	1.1E-04
16.13.10	318	26.4	20.3	136	10	15	1.3E-04
16.13.20	318	26.3	20.2	163	10	18	1.6E-04
16.13.30	317	26.3	20.2	187	11	17	1.6E-04
16.13.40	317	26.4	20.2	153	11	17	1.0E-04
16.13.50	318	26.4	20.4	103	9	17	8.9E-05
16.14.00	317	26.4	20.5	99	12	17	8.4E-05
16.14.10	317	26.3	20.4	92	11	16	8.7E-05
16.14.20	317	26.3	20.3	94	10	14	8.9E-05
16.14.30	316	26.3	20.4	89	10	11	8.2E-05
16.14.40	316	26.3	20.3	94	9	10	8.6E-05
16.14.50	317	26.2	20.2	94	8	10	8.5E-05
16.15.00	317	26.2	20.2	102	10	8	8.3E-05
16.15.10	318	26.2	20.2	93	11	9	8.1E-05
16.15.20	319	26.2	20.2	88	10	11	7.4E-05
16.15.30	317	26.2	20.4	84	9	12	7.2E-05
16.15.40	317	26.4	20.5	86	11	12	7.8E-05

TABLE 24 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.15.50	317	26.5	20.6	79	10	12	7.8E-05
16.16.00	317	26.6	20.5	81	9	11	7.7E-05
16.16.10	317	26.6	20.5	87	7	11	7.8E-05
16.16.20	317	26.6	20.6	78	9	13	7.5E-05
16.16.30	317	26.7	20.7	76	9	13	7.5E-05
16.16.40	317	26.6	20.7	76	9	13	7.4E-05
16.16.50	316	26.6	20.7	77	7	14	7.4E-05
16.17.00	316	26.6	20.7	73	7	13	7.5E-05
16.17.10	317	26.6	20.7	81	9	13	8.8E-05
16.17.20	317	26.7	20.9	74	9	13	1.4E-04
16.17.30	317	26.6	21.5	76	10	13	1.1E-04
16.17.40	317	26.5	21.5	72	10	15	9.1E-05
16.17.50	317	26.5	21.4	73	9	15	8.1E-05
16.18.00	316	26.5	21.3	76	8	15	8.9E-05
16.18.10	319	26.6	22.1	66	9	15	7.1E-05
16.18.20	319	26.6	22.0	74	10	12	7.0E-05
16.18.30	319	26.6	21.9	71	13	11	6.8E-05
16.18.40	318	26.6	21.9	72	9	11	6.6E-05
16.18.50	318	26.7	21.8	72	10	13	6.9E-05
16.19.00	318	26.7	21.8	61	10	12	6.9E-05
16.19.10	317	26.8	21.8	69	11	12	6.9E-05
16.19.20	316	26.8	21.8	71	9	10	6.9E-05
16.19.30	316	26.8	21.7	63	8	11	6.4E-05
16.19.40	319	26.7	21.6	70	9	10	6.2E-05
16.19.50	318	26.8	21.4	67	11	11	6.0E-05
16.20.00	317	26.8	21.4	65	10	12	5.9E-05
16.20.10	317	26.8	21.2	60	9	10	5.7E-05
16.20.20	316	27.0	20.7	72	9	8	5.8E-05
16.20.30	319	27.0	20.9	68	9	9	5.9E-05
16.20.40	317	27.0	21.1	69	8	6	6.5E-05
16.20.50	317	27.1	20.9	64	7	6	6.5E-05
16.21.00	317	27.1	21.1	73	9	6	6.4E-05
16.21.10	317	27.1	21.3	76	8	8	6.9E-05
16.21.20	317	27.1	20.5	73	8	8	6.5E-05
16.21.30	314	27.1	19.6	64	7	9	5.7E-05
16.21.40	318	27.3	20.6	71	7	12	5.9E-05
16.21.50	317	27.2	20.7	75	10	10	6.5E-05
16.22.00	317	27.3	20.5	71	9	13	6.3E-05
16.22.10	317	27.3	20.6	71	8	12	6.1E-05
16.22.20	317	27.4	20.6	66	9	13	6.2E-05
16.22.30	317	27.4	20.5	69	11	13	6.1E-05
16.22.40	317	27.3	20.3	64	6	10	5.9E-05

TABLE 24 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.22.50	316	27.3	20.0	74	8	9	5.5E-05
16.23.00	316	27.4	20.2	73	10	9	5.6E-05
16.23.10	317	27.3	20.2	62	10	9	5.0E-05
16.23.20	316	27.2	20.3	66	10	11	5.1E-05
16.23.30	316	27.2	20.3	68	11	11	5.2E-05
16.23.40	316	27.5	20.3	72	10	11	6.1E-05
16.23.50	316	27.7	20.4	73	10	12	6.0E-05
16.24.00	316	27.6	20.1	69	8	13	6.8E-05
16.24.10	315	27.7	19.9	70	9	10	6.4E-05
16.24.20	314	27.7	20.1	71	9	10	6.7E-05
16.24.30	314	27.7	20.4	66	10	11	6.1E-05
16.24.40	314	27.6	20.0	71	8	12	6.3E-05
16.24.50	313	27.7	20.2	77	8	11	6.3E-05
16.25.00	316	27.8	20.2	68	5	9	6.0E-05
16.25.10	314	27.9	20.2	68	5	10	5.9E-05
S 16.25.20	308	27.9	20.2	81	8	11	6.1E-05
16.25.30	281	28.1	20.3	61	11	10	6.0E-05
16.25.40	251	28.1	20.3	72	11	9	5.9E-05
16.25.50	224	28.0	20.7	75	10	11	6.1E-05
16.26.00	202	28.0	21.1	74	10	13	5.9E-05
16.26.10	172	27.8	21.3	73	12	12	5.6E-05
16.26.20	148	27.7	21.7	65	11	11	6.2E-05
16.26.30	144	27.7	21.6	77	11	10	6.3E-05
16.26.40	148	27.5	21.8	82	9	11	6.4E-05
16.26.50	148	27.5	21.8	73	7	10	6.3E-05
16.27.00	165	27.7	21.9	76	9	10	6.5E-05
16.27.10	209	28.0	20.7	76	11	9	6.1E-05
16.27.20	249	28.1	20.1	69	10	9	5.5E-05
16.27.30	284	28.0	19.6	69	8	10	6.1E-05
16.27.40	319	27.9	19.3	68	9	10	6.1E-05
16.27.50	351	27.7	19.2	70	10	12	6.0E-05
16.28.00	380	27.5	19.2	67	10	12	6.1E-05
16.28.10	407	27.3	19.4	67	8	11	6.6E-05
16.28.20	434	27.1	19.7	64	7	12	6.8E-05
16.28.30	460	26.9	19.8	69	10	13	7.2E-05
16.28.40	490	26.7	20.0	68	7	13	6.9E-05
16.28.50	521	26.3	20.0	68	8	14	7.4E-05
16.29.00	554	26.1	20.2	64	6	12	7.3E-05
16.29.10	591	25.7	20.7	70	5	11	8.3E-05
16.29.20	625	25.3	20.5	70	8	12	9.0E-05
16.29.30	657	25.0	20.5	68	8	12	9.3E-05
16.29.40	686	24.6	20.7	71	8	10	9.3E-05



TABLE 24 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.29.50	714	24.4	20.5	70	11	11	8.9E-05
16.30.00	744	24.3	20.3	76	9	12	1.0E-04
16.30.10	775	24.0	20.5	72	7	10	1.0E-04
16.30.20	802	23.9	20.2	68	8	9	1.1E-04
16.30.30	831	23.7	20.0	70	9	11	1.2E-04
16.30.40	863	23.4	20.0	76	9	14	1.2E-04
16.30.50	902	23.0	19.8	77	11	12	1.2E-04
16.31.00	940	22.7	19.7	84	9	12	1.3E-04
16.31.10	975	22.4	19.6	76	9	12	1.3E-04
16.31.20	1009	22.0	19.4	82	10	11	1.3E-04
16.31.30	1043	21.8	19.2	77	11	9	1.3E-04
16.31.40	1076	21.5	19.0	73	9	11	1.4E-04
16.31.50	1110	21.3	18.7	74	8	12	1.5E-04
16.32.00	1142	21.0	18.6	77	8	12	1.5E-04
16.32.10	1174	20.7	18.6	70	7	11	1.6E-04
16.32.20	1204	20.4	18.6	72	10	11	1.6E-04
16.32.30	1238	20.0	18.7	76	10	12	1.6E-04
16.32.40	1273	19.7	18.3	69	8	13	1.6E-04
16.32.50	1309	19.5	18.0	79	8	14	1.7E-04
16.33.00	1347	19.2	17.4	73	10	14	1.8E-04
16.33.10	1383	19.0	16.9	77	9	13	1.8E-04
16.33.20	1416	18.9	16.1	67	8	13	1.6E-04
16.33.30	1445	19.0	15.2	70	10	14	1.4E-04
16.33.40	1475	18.9	14.6	70	10	13	1.2E-04
16.33.50	1507	18.8	14.1	73	11	12	1.1E-04
16.34.00	1535	18.6	13.7	74	10	10	1.1E-04
16.34.10	1562	18.5	13.4	68	9	8	1.0E-04
16.34.20	1593	18.4	12.6	66	8	9	9.5E-05
16.34.30	1624	18.2	12.0	66	6	10	8.3E-05
16.34.40	1651	17.8	12.4	70	8	9	8.5E-05
16.34.50	1640	17.7	13.2	70	6	9	1.0E-04
16.35.00	1633	17.7	13.8	67	6	10	1.1E-04
16.35.10	1633	17.5	14.9	69	7	10	1.3E-04
16.35.20	1606	17.6	15.3	76	11	9	1.4E-04
16.35.30	1572	17.9	15.5	76	10	10	1.4E-04
16.35.40	1537	18.5	14.6	68	9	10	1.3E-04
16.35.50	1493	19.2	13.8	69	9	12	9.7E-05
16.36.00	1451	19.6	14.3	66	10	12	9.9E-05
16.36.10	1409	19.9	14.8	65	11	13	1.0E-04
16.36.20	1367	19.9	16.6	74	11	12	1.5E-04
16.36.30	1331	20.0	17.2	73	9	13	1.7E-04
16.36.40	1296	20.3	17.3	76	8	12	1.8E-04

TABLE 24 - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.36.50	1267	20.6	17.5	76	9	12	1.8E-04
16.37.00	1236	20.9	17.6	80	10	10	1.8E-04
16.37.10	1205	21.1	17.8	76	11	10	1.9E-04
16.37.20	1170	21.4	17.9	77	8	12	1.9E-04
16.37.30	1135	21.7	18.1	72	7	11	1.9E-04
16.37.40	1100	22.0	18.3	75	9	11	1.9E-04
16.37.50	1065	22.3	18.4	70	11	11	1.9E-04
16.38.00	1033	22.6	18.7	72	9	9	1.8E-04
16.38.10	1004	22.8	19.1	69	11	12	1.6E-04
16.38.20	975	22.9	19.6	75	11	12	1.3E-04
16.38.30	949	23.1	19.6	78	11	12	1.2E-04
16.38.40	923	23.3	19.6	75	11	12	1.3E-04
16.38.50	891	23.6	19.6	73	10	11	1.3E-04
16.39.00	856	23.8	19.8	70	10	13	1.3E-04
16.39.10	821	24.1	20.0	80	9	11	1.1E-04
16.39.20	784	24.3	20.0	79	7	8	1.1E-04
16.39.30	752	24.7	20.0	82	8	7	1.3E-04
16.39.40	717	25.0	19.9	75	7	9	1.4E-04
16.39.50	681	25.3	20.1	76	8	10	1.2E-04
16.40.00	646	25.6	20.2	77	11	12	1.2E-04
16.40.10	611	25.9	20.3	78	9	10	1.2E-04
16.40.20	573	26.2	20.5	80	8	11	1.1E-04
16.40.30	532	26.5	20.7	71	8	11	1.1E-04
16.40.40	494	26.9	20.6	73	9	11	9.2E-05
16.40.50	459	27.2	20.5	70	11	11	8.2E-05
16.41.00	433	27.5	20.3	76	12	11	7.9E-05
16.41.10	411	27.6	20.2	72	10	12	8.0E-05
16.41.20	380	27.9	19.8	73	8	11	7.5E-05
16.41.30	347	28.3	19.4	70	6	10	6.9E-05
16.41.40	306	28.9	19.3	68	7	10	6.9E-05
16.41.50	290	29.0	19.3	64	7	10	6.9E-05
16.42.00	305	28.7	19.8	72	9	12	7.2E-05
16.42.10	304	28.7	19.8	72	8	12	7.3E-05
16.42.20	303	28.6	19.8	68	11	13	7.0E-05
16.42.30	303	28.5	20.1	60	10	13	7.4E-05
16.42.40	304	28.4	20.2	64	10	10	7.1E-05
16.42.50	307	28.2	20.4	62	9	8	7.2E-05
16.43.00	308	28.2	20.5	67	8	9	7.5E-05
16.43.10	307	28.2	20.8	62	11	9	7.4E-05
16.43.20	308	28.0	20.9	62	9	9	7.9E-05
16.43.30	306	28.0	21.1	70	8	9	7.9E-05
16.43.40	309	27.9	21.0	71	7	11	7.8E-05

TABLE 24.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.43.50	308	27.7	21.2	75	8	11	7.8E-05
16.44.00	310	27.7	21.3	78	8	12	7.3E-05
16.44.10	313	27.6	21.4	72	8	12	7.6E-05
16.44.20	315	27.6	21.5	72	8	13	7.6E-05
16.44.30	304	27.9	21.1	71	7	12	7.6E-05
16.44.40	315	28.3	19.6	73	6	12	8.0E-05
16.44.50	310	28.2	20.1	63	9	13	7.6E-05
16.45.00	308	28.4	19.3	64	8	12	7.2E-05
16.45.10	310	28.5	19.0	69	8	10	7.2E-05
16.45.20	309	28.2	19.8	66	9	8	7.2E-05
16.45.30	305	27.8	20.2	59	9	8	7.6E-05
16.45.40	308	28.0	19.9	63	11	7	7.6E-05
16.45.50	314	28.2	19.0	63	9	9	7.1E-05
16.46.00	312	28.2	19.0	65	10	10	6.7E-05
16.46.10	310	28.3	19.0	68	11	12	6.6E-05
16.46.20	307	28.3	18.9	71	11	12	6.9E-05
16.46.30	310	28.3	17.7	72	9	11	8.7E-05
16.46.40	312	28.2	18.5	74	9	11	9.9E-05
16.46.50	310	28.3	18.9	80	10	9	9.7E-05
16.47.00	310	28.2	18.9	75	8	9	8.7E-05
16.47.10	306	28.6	19.0	80	8	9	9.8E-05
16.47.20	313	28.6	19.3	73	9	9	9.4E-05
16.47.30	314	28.4	18.7	82	7	7	8.3E-05
16.47.40	312	28.5	18.6	75	9	7	7.8E-05
16.47.50	307	28.7	17.9	77	10	9	7.7E-05
16.48.00	308	28.3	19.2	74	11	7	7.5E-05
16.48.10	311	28.4	19.8	71	8	8	8.6E-05
16.48.20	312	28.5	19.4	81	11	7	9.2E-05
16.48.30	315	28.3	19.3	80	11	7	7.5E-05
16.48.40	312	28.3	19.2	73	10	8	7.6E-05
16.48.50	310	28.5	18.9	70	10	10	7.8E-05
16.49.00	312	28.5	18.7	75	10	10	7.8E-05
16.49.10	312	28.3	19.1	74	9	11	7.9E-05
16.49.20	314	28.4	18.4	68	10	13	7.7E-05
16.49.30	315	28.4	18.6	69	7	13	8.4E-05
16.49.40	313	28.5	18.7	75	9	10	8.8E-05
16.49.50	312	28.5	18.7	77	11	10	8.6E-05
16.50.00	312	28.6	18.7	79	9	10	8.6E-05
16.50.10	311	28.7	19.1	80	8	9	9.1E-05
16.50.20	308	28.6	19.4	76	8	9	9.1E-05

TABLE 25.- URBAN PLUME EXPERIMENT, AUGUST 30, 1979  
(NORTHWEST FLOW CASE): LEG HG\*1

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.55.50	308	29.4	20.1	95	8	14	1.9E-04
16.56.00	306	29.3	20.6	91	10	15	1.8E-04
16.56.10	316	29.3	20.2	93	9	14	2.3E-04
16.56.20	317	29.3	20.4	94	9	10	2.1E-04
16.56.30	306	29.5	19.8	105	11	11	2.5E-04
16.56.40	311	29.4	19.9	100	11	13	2.6E-04
16.56.50	315	29.4	20.0	110	9	12	2.5E-04
16.57.00	316	29.5	19.7	109	8	11	2.1E-04
16.57.10	306	29.6	19.6	102	9	13	1.8E-04
16.57.20	310	29.5	20.4	108	10	12	1.5E-04
16.57.30	311	29.5	19.4	96	9	10	1.5E-04
16.57.40	312	29.5	19.6	109	10	11	1.5E-04
16.57.50	313	29.6	18.8	103	11	11	1.2E-04
16.58.00	314	29.5	19.6	102	8	11	1.2E-04
16.58.10	319	29.5	19.6	87	8	10	1.1E-04
16.58.20	306	29.8	19.0	91	7	11	9.7E-05
16.58.30	312	29.7	19.0	94	8	10	9.2E-05
16.58.40	319	29.6	19.2	91	10	9	9.4E-05
16.58.50	308	29.8	19.0	83	9	9	8.8E-05
16.59.00	316	29.7	19.5	76	11	9	8.4E-05
16.59.10	314	29.0	22.7	72	10	10	9.6E-05
16.59.20	306	29.3	21.5	66	10	11	1.0E-04
16.59.30	312	29.0	21.3	73	10	9	1.0E-04
16.59.40	312	29.0	21.1	71	10	8	1.0E-04
16.59.50	313	28.7	22.1	69	9	8	1.0E-04
17.00.00	308	28.8	21.5	74	8	8	9.8E-05
17.00.10	314	28.7	21.5	66	7	11	1.0E-04
17.00.20	314	28.6	21.8	72	8	10	1.0E-04
17.00.30	310	28.8	21.1	72	7	8	1.1E-04
17.00.40	312	28.7	21.3	75	8	8	1.1E-04
17.00.50	313	28.6	21.6	74	9	8	1.1E-04
17.01.00	315	28.5	21.5	78	9	9	1.1E-04
17.01.10	314	28.6	21.5	82	11	8	1.1E-04
17.01.20	313	28.5	21.7	63	11	9	1.1E-04
17.01.30	313	28.4	21.7	72	11	10	1.2E-04
17.01.40	312	28.3	21.7	73	11	11	1.1E-04
17.01.50	312	28.3	21.6	75	10	11	1.2E-04
17.02.00	313	28.3	21.5	73	10	11	1.3E-04
17.02.10	312	28.2	21.6	78	8	9	1.2E-04
17.02.20	313	28.2	21.5	75	10	9	1.1E-04
17.02.30	312	28.1	21.4	72	10	9	1.2E-04
17.02.40	312	28.2	21.4	66	9	9	1.3E-04

1 leg terminated after spiral at location shown in fig. 30

TABLE 25 - Continued

	TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
	17.02.50	314	28.0	21.4	72	9	10	1.2E-04
	17.03.00	316	27.6	21.6	72	11	11	8.7E-05
	17.03.10	307	27.2	22.2	72	11	11	7.6E-05
	17.03.20	290	27.1	22.4	66	11	9	6.9E-05
	17.03.30	262	27.6	22.1	68	9	9	7.7E-05
	17.03.40	244	27.7	22.1	73	9	8	7.5E-05
S	17.03.50	227	27.8	22.2	74	9	9	8.0E-05
	17.04.00	187	27.9	22.5	73	9	12	7.1E-05
	17.04.10	152	28.2	22.9	69	9	12	6.6E-05
	17.04.20	143	28.2	22.9	64	10	12	6.6E-05
	17.04.30	154	27.8	22.9	73	8	11	6.8E-05
	17.04.40	165	27.6	22.8	67	11	11	7.1E-05
	17.04.50	197	27.2	22.6	65	9	10	6.9E-05
	17.05.00	236	26.5	22.4	62	9	11	6.6E-05
	17.05.10	272	26.0	22.4	67	7	10	6.6E-05
	17.05.20	306	26.0	21.9	65	8	11	6.5E-05
	17.05.30	333	26.8	21.1	69	9	11	7.7E-05
	17.05.40	364	26.6	21.2	76	7	11	8.1E-05
	17.05.50	396	26.5	21.3	71	6	9	8.6E-05
	17.06.00	424	26.4	21.3	74	8	11	9.5E-05
	17.06.10	453	26.5	21.1	67	8	11	1.1E-04
	17.06.20	489	26.5	20.7	67	9	12	1.1E-04
	17.06.30	518	26.2	20.8	74	8	10	1.1E-04
	17.06.40	543	26.0	20.8	70	8	9	1.1E-04
	17.06.50	567	25.9	20.7	70	10	10	1.2E-04
	17.07.00	592	25.7	20.6	74	9	10	1.2E-04
	17.07.10	619	25.7	20.3	75	8	12	1.1E-04
	17.07.20	652	25.5	20.1	66	9	12	1.1E-04
	17.07.30	691	25.2	19.8	76	7	11	1.0E-04
	17.07.40	728	24.9	19.6	70	4	11	9.6E-05
	17.07.50	761	24.7	19.2	74	9	10	9.3E-05
	17.08.00	797	24.4	19.2	73	8	8	9.3E-05
	17.08.10	831	24.0	19.0	78	5	8	8.8E-05
	17.08.20	862	23.7	19.0	74	8	9	9.5E-05
	17.08.30	895	23.4	18.8	74	7	8	9.4E-05
	17.08.40	927	23.1	18.4	76	7	11	8.9E-05
	17.08.50	957	22.9	18.1	67	8	13	8.7E-05
	17.09.00	994	22.5	18.3	72	8	12	8.9E-05
	17.09.10	1030	22.1	18.3	78	9	12	8.9E-05
	17.09.20	1063	21.8	18.5	67	9	12	9.4E-05
	17.09.30	1096	21.4	18.5	72	11	10	9.3E-05
	17.09.40	1127	21.2	18.0	71	8	9	9.4E-05

TABLE 25.- Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
17.09.50	1160	21.0	17.7	70	6	11	9.1E-05
17.10.00	1192	20.8	17.4	68	9	11	9.3E-05
17.10.10	1225	20.5	17.6	67	8	12	9.4E-05
17.10.20	1260	20.2	17.4	69	7	11	9.4E-05
17.10.30	1290	20.0	17.2	70	8	10	9.1E-05
17.10.40	1320	19.8	16.6	73	8	12	9.5E-05
17.10.50	1349	19.6	16.1	75	8	13	8.3E-05
17.11.00	1377	19.4	15.1	75	7	13	8.3E-05
17.11.10	1408	19.3	15.6	76	8	12	8.1E-05
17.11.20	1441	19.2	14.6	71	8	12	8.0E-05
17.11.30	1476	18.9	14.4	72	7	11	7.9E-05
17.11.40	1511	18.6	14.1	71	9	11	8.0E-05
17.11.50	1546	18.2	13.6	75	10	12	7.3E-05
17.12.00	1581	17.9	13.4	73	10	12	7.0E-05
17.12.10	1611	17.6	13.2	76	9	11	6.6E-05
17.12.20	1645	17.5	13.7	72	10	9	6.8E-05
17.12.30	1639	17.4	14.4	73	8	9	7.7E-05
17.12.40	1621	17.7	14.2	71	10	10	7.5E-05
17.12.50	1629	17.6	14.0	74	7	13	7.3E-05
17.13.00	1613	17.9	13.9	76	7	12	7.3E-05
17.13.10	1581	18.1	14.4	71	8	11	7.6E-05
17.13.20	1558	18.2	14.6	71	8	12	7.7E-05
17.13.30	1531	18.4	14.9	65	8	13	7.8E-05
17.13.40	1494	18.7	15.4	65	9	14	8.0E-05
17.13.50	1456	19.0	15.8	72	9	14	8.4E-05
17.14.00	1425	19.4	15.8	71	8	13	8.6E-05
17.14.10	1397	19.5	16.1	68	9	12	8.8E-05
17.14.20	1370	19.7	16.8	68	9	13	9.0E-05
17.14.30	1342	19.7	17.7	74	8	13	9.1E-05
17.14.40	1311	20.1	17.3	74	10	14	9.4E-05
17.14.50	1277	20.4	17.3	72	10	11	9.1E-05
17.15.00	1240	20.9	17.0	78	10	10	9.6E-05
17.15.10	1201	21.3	17.2	74	6	10	9.1E-05
17.15.20	1163	21.7	17.5	79	7	9	8.8E-05
17.15.30	1135	21.9	17.7	72	10	11	9.2E-05
17.15.40	1111	22.1	17.8	77	9	13	8.9E-05
17.15.50	1092	22.3	17.7	69	10	14	9.0E-05
17.16.00	1071	22.4	17.9	78	9	14	8.9E-05
17.16.10	1044	22.6	18.3	75	10	11	9.1E-05
17.16.20	1017	22.9	18.2	66	9	9	9.2E-05
17.16.30	992	23.1	18.3	69	9	8	8.6E-05
17.16.40	965	23.3	18.3	73	9	9	8.4E-05
17.16.50	939	23.6	18.5	69	9	10	8.8E-05
17.17.00	915	23.6	19.0	77	7	7	9.4E-05
17.17.10	890	23.7	19.4	69	8	8	1.0E-04
17.17.20	862	23.9	19.5	71	7	12	1.0E-04
17.17.30	833	24.1	19.6	77	9	11	1.0E-04
S 17.17.40	803	24.4	19.8	70	8	10	1.0E-04

TABLE 26. - PHOTOCHEMICAL BOX EXPERIMENT, AUGUST 31, 1979  
(WEST FLOW CASE): ALL SAMPLING LEGS

A. Spiral at F

TIME (EDT)	Z (m)	T. (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.00.00	113	27.4	19.9	87	12	11	2.2E-04
08.00.10	107	27.1	20.6	82	11	18	2.1E-04
08.00.20	111	26.7	20.8	75	13	17	2.1E-04
08.00.30	118	26.3	21.8	72	11	16	2.1E-04
08.00.40	125	26.4	21.0	71	13	17	2.1E-04
08.00.50	146	26.7	19.8	74	12	16	2.1E-04
08.01.00	188	26.4	19.6	79	13	15	2.2E-04
08.01.10	211	26.3	19.9	81	12	14	2.3E-04
08.01.20	233	26.0	20.4	83	12	13	2.3E-04
08.01.30	257	25.8	20.9	93	14	15	2.2E-04
08.01.40	273	25.8	20.9	96	13	15	2.0E-04
08.01.50	293	25.7	20.7	99	13	16	2.1E-04
08.02.00	320	25.5	20.6	95	12	15	2.2E-04
08.02.10	352	25.2	20.4	100	13	16	2.4E-04
08.02.20	379	25.0	20.0	101	12	14	2.6E-04
08.02.30	404	24.8	19.8	100	13	15	2.6E-04
08.02.40	433	24.7	19.6	100	11	11	2.6E-04
08.02.50	458	24.5	19.5	101	12	13	2.5E-04
08.03.00	477	24.3	19.4	100	12	16	2.5E-04
08.03.10	501	24.2	19.4	98	12	15	2.4E-04
08.03.20	522	24.0	19.3	98	14	18	2.4E-04
08.03.30	544	23.8	19.1	93	13	15	2.3E-04
08.03.40	573	23.6	18.9	100	13	15	2.3E-04
08.03.50	602	23.3	18.5	91	12	17	2.2E-04
08.04.00	631	23.0	18.2	95	12	16	2.1E-04
08.04.10	661	22.7	18.8	88	11	16	2.3E-04
08.04.20	688	22.4	19.1	92	12	17	2.4E-04
08.04.30	712	22.2	19.2	92	13	17	2.4E-04
08.04.40	738	21.9	19.2	101	13	17	2.4E-04
08.04.50	769	21.6	18.9	97	12	15	2.4E-04
08.05.00	800	21.4	18.8	99	12	13	2.4E-04
08.05.10	828	21.1	18.6	100	11	14	2.3E-04
08.05.20	856	21.0	18.6	103	12	14	2.3E-04
08.05.30	880	20.7	18.5	98	13	15	2.3E-04
08.05.40	902	20.6	18.3	98	11	12	2.4E-04
08.05.50	925	20.4	18.3	103	13	14	2.4E-04
08.06.00	949	20.2	18.1	100	12	16	2.4E-04
08.06.10	975	20.0	18.1	99	10	15	2.4E-04
08.06.20	1002	19.8	17.9	98	11	17	2.4E-04
08.06.30	1034	19.5	17.8	79	12	17	2.5E-04
08.06.40	1066	19.3	17.3	69	12	21	2.5E-04
08.06.50	1095	19.1	17.0	91	12	18	2.5E-04

TABLE 26. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.07.00	1122	19.0	16.5	105	13	12	2.5E-04
08.07.10	1150	18.8	16.2	98	12	15	2.5E-04
08.07.20	1178	18.7	15.6	99	11	15	2.3E-04
08.07.30	1206	18.7	15.0	91	11	13	1.9E-04
08.07.40	1232	18.6	14.6	86	13	16	1.8E-04
08.07.50	1260	18.7	13.4	79	13	15	1.4E-04
08.08.00	1284	18.6	13.2	81	13	11	1.3E-04
08.08.10	1305	18.6	12.9	85	12	11	1.3E-04
08.08.20	1329	18.5	12.6	81	12	12	1.1E-04
08.08.30	1352	18.5	11.1	78	11	12	9.1E-05
08.08.40	1374	18.5	10.2	76	11	12	5.4E-05
08.08.50	1399	18.5	9.9	77	11	14	4.7E-05
08.09.00	1425	18.4	9.3	71	12	11	3.1E-05
08.09.10	1453	18.2	10.1	68	12	17	4.0E-05
08.09.20	1478	18.1	10.4	70	11	11	6.2E-05
08.09.30	1504	17.9	10.9	74	11	14	7.3E-05
08.09.40	1530	17.7	11.2	74	10	11	8.8E-05
08.09.50	1556	17.5	12.0	74	10	11	1.1E-04
08.10.00	1581	17.3	12.0	76	12	11	1.1E-04
08.10.10	1607	17.2	11.9	78	11	15	1.1E-04

## B. Spiral at A

08.18.20	1597	17.2	12.3	94	11	9	1.2E-04
08.18.30	1580	17.4	11.9	96	10	11	1.1E-04
08.18.40	1524	17.8	11.6	95	11	12	9.7E-05
08.18.50	1486	18.1	12.3	95	10	11	1.0E-04
08.19.00	1471	18.1	12.6	97	11	13	1.2E-04
08.19.10	1444	18.4	12.7	102	12	16	1.2E-04
08.19.20	1408	18.7	12.6	101	11	13	1.2E-04
08.19.30	1363	19.2	11.8	101	12	15	1.0E-04
08.19.40	1320	19.6	11.2	100	11	13	8.6E-05
08.19.50	1282	19.9	11.0	99	10	8	5.8E-05
08.20.00	1244	19.9	12.6	98	11	10	9.5E-05
08.20.10	1205	19.8	13.8	102	12	10	1.3E-04
08.20.20	1169	20.0	13.8	98	10	14	1.4E-04
08.20.30	1133	20.1	15.1	106	12	14	1.7E-04
08.20.40	1095	20.2	16.1	107	11	17	2.1E-04
08.20.50	1045	20.6	16.7	113	11	14	2.2E-04
08.21.00	1003	21.1	16.1	105	11	11	1.8E-04
08.21.10	971	21.4	16.3	99	12	17	1.7E-04
08.21.20	944	21.4	17.2	89	10	12	2.0E-04



TABLE 26. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.21.30	922	21.5	17.6	92	9	17	2.2E-04
08.21.40	905	21.5	17.8	113	11	14	2.2E-04
08.21.50	887	21.5	17.8	93	13	16	2.4E-04
08.22.00	859	21.7	17.8	60	15	30	2.4E-04
08.22.10	824	22.0	18.1	74	15	28	2.3E-04
08.22.20	786	22.3	18.2	74	14	24	2.4E-04
08.22.30	751	22.6	18.5	73	11	19	2.4E-04
08.22.40	721	22.8	18.5	96	11	23	2.4E-04
08.22.50	696	23.0	18.7	113	12	13	2.5E-04
08.23.00	666	23.3	18.8	112	13	14	2.4E-04
08.23.10	623	23.7	18.9	117	13	10	2.5E-04
08.23.20	580	24.0	19.4	114	10	9	2.6E-04
08.23.30	545	24.2	19.6	118	9	16	2.5E-04
08.23.40	510	24.5	19.7	118	11	14	2.5E-04
08.23.50	475	24.7	19.7	95	11	19	2.5E-04
08.24.00	443	25.0	19.5	83	12	23	2.5E-04
08.24.10	413	25.2	19.3	87	12	18	2.4E-04
08.24.20	390	25.4	19.3	93	12	16	2.3E-04
08.24.30	367	25.5	19.4	96	13	19	2.3E-04
08.24.40	341	25.7	19.1	92	11	15	2.2E-04
08.24.50	316	25.8	18.9	104	11	7	2.0E-04
08.25.00	292	25.9	19.1	103	12	12	2.0E-04
08.25.10	269	26.1	19.3	94	12	13	2.0E-04
08.25.20	241	26.2	19.4	92	11	19	2.0E-04
08.25.30	214	26.5	19.6	89	11	14	1.9E-04
08.25.40	185	26.7	19.6	97	12	12	1.9E-04
08.25.50	148	26.7	19.9	97	12	13	1.9E-04

## C. Leg AB

08.26.00	112	25.9	21.9	67	11	15	1.9E-04
08.26.10	104	25.6	22.3	42	12	23	1.9E-04
08.26.20	135	25.4	22.0	45	14	34	1.9E-04
08.26.30	169	26.5	20.0	50	13	23	2.0E-04
08.26.40	199	26.7	19.2	72	12	17	2.0E-04
08.26.50	224	26.5	19.1	69	10	15	2.0E-04
08.27.00	242	26.3	18.9	78	11	17	2.0E-04
08.27.10	260	26.2	18.9	80	10	16	2.0E-04
08.27.20	274	26.0	19.0	74	10	12	2.0E-04
08.27.30	284	25.9	19.0	67	12	13	2.0E-04
08.27.40	277	26.0	19.1	72	10	15	2.0E-04
08.27.50	278	25.9	19.2	75	12	15	2.1E-04

TABLE 26. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.28.00	281	25.9	19.4	75	13	18	2.1E-04
08.28.10	281	25.8	19.6	76	11	16	2.1E-04
08.28.20	282	25.8	19.5	71	9	17	2.1E-04
08.28.30	277	25.9	19.3	67	10	17	2.1E-04
08.28.40	277	26.0	19.5	66	12	18	2.1E-04

## D. Leg CD

08.33.10	277	26.0	18.7	81	12	17	2.0E-04
08.33.20	279	26.0	18.6	83	12	16	2.1E-04
08.33.30	286	25.8	18.9	76	12	14	2.1E-04
08.33.40	285	25.7	19.2	83	12	16	2.0E-04
08.33.50	280	25.7	19.2	91	10	11	2.1E-04
08.34.00	279	25.8	18.9	76	10	13	2.0E-04
08.34.10	282	25.8	19.2	84	9	17	2.1E-04
08.34.20	284	25.8	19.5	83	12	13	2.2E-04
08.34.30	283	25.8	19.7	83	11	19	2.3E-04
08.34.40	282	25.8	20.0	73	12	14	2.4E-04
08.34.50	284	25.7	20.2	79	11	21	2.5E-04
08.35.00	283	25.8	19.9	85	12	19	2.3E-04
08.35.10	282	25.7	20.2	83	10	20	2.4E-04
08.35.20	282	25.8	20.3	87	10	14	2.4E-04
08.35.30	281	25.7	20.4	95	12	18	2.5E-04
08.35.40	281	25.7	20.3	91	11	15	2.4E-04
08.35.50	282	25.7	20.1	90	11	14	2.3E-04
08.36.00	282	25.7	19.8	89	13	16	2.3E-04
08.36.10	282	25.7	20.0	85	11	16	2.2E-04
08.36.20	285	25.7	20.6	80	13	13	2.2E-04
08.36.30	284	25.6	20.9	96	10	14	2.2E-04
08.36.40	282	25.7	20.9	92	10	8	2.2E-04
08.36.50	284	25.7	21.0	91	10	11	2.1E-04
08.37.00	284	25.6	21.0	89	9	15	2.0E-04
08.37.10	282	25.6	20.7	92	10	10	2.0E-04
08.37.20	282	25.6	20.9	88	10	9	2.0E-04
08.37.30	282	25.6	20.9	93	11	15	2.0E-04
08.37.40	284	25.6	21.1	94	12	12	2.0E-04
08.37.50	286	25.7	21.1	87	13	13	1.8E-04
08.38.00	285	25.7	20.9	91	10	18	1.7E-04
08.38.10	286	25.6	21.0	82	11	13	1.8E-04
08.38.20	292	25.7	20.9	95	12	10	1.7E-04
08.38.30	279	25.8	20.9	89	10	17	1.7E-04
08.38.40	284	25.7	20.8	100	13	16	1.7E-04

TABLE 26. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.38.50	288	25.8	20.7	94	11	16	1.7E-04
08.39.00	285	25.8	20.6	93	11	10	1.6E-04
08.39.10	285	25.8	20.6	90	10	12	1.6E-04
08.39.20	283	25.9	20.5	93	10	17	1.6E-04
E. Leg EF							
08.44.00	282	25.9	20.4	99	9	13	1.6E-04
08.44.10	281	25.8	20.7	93	9	9	1.6E-04
08.44.20	282	25.8	20.8	91	9	10	1.7E-04
08.44.30	284	25.6	20.9	102	9	13	1.7E-04
08.44.40	284	25.7	21.1	92	10	14	1.8E-04
08.44.50	282	25.7	21.1	93	10	13	1.8E-04
08.45.00	282	25.5	21.0	92	11	12	1.8E-04
08.45.10	283	25.7	20.9	92	8	16	1.7E-04
08.45.20	282	25.7	20.9	94	11	15	1.7E-04
08.45.30	280	25.7	21.1	90	11	8	1.8E-04
08.45.40	281	25.6	21.1	95	11	6	1.9E-04
08.45.50	280	25.6	20.9	94	12	13	2.0E-04
08.46.00	280	25.6	21.1	93	10	11	2.0E-04
08.46.10	282	25.7	21.1	98	11	15	1.8E-04
08.46.20	281	25.7	21.1	93	11	10	1.8E-04
08.46.30	282	25.6	21.0	100	11	11	2.0E-04
08.46.40	281	25.6	20.9	87	10	13	2.0E-04
08.46.50	281	25.6	21.0	91	9	16	2.0E-04
08.47.00	282	25.6	20.9	87	10	12	2.0E-04
08.47.10	283	25.6	20.9	97	10	10	2.0E-04
08.47.20	283	25.6	20.9	90	7	12	1.9E-04
08.47.30	284	25.7	20.8	93	10	6	2.0E-04
08.47.40	284	25.7	21.0	89	10	13	2.0E-04
08.47.50	280	25.7	20.7	92	11	11	2.0E-04
08.48.00	283	25.6	20.7	97	10	9	2.2E-04
08.48.10	286	25.5	20.9	90	10	12	2.1E-04
08.48.20	284	25.4	20.5	94	9	15	2.2E-04
08.48.30	264	25.5	20.3	83	10	10	2.2E-04
08.48.40	241	25.8	20.3	96	7	15	2.2E-04
08.48.50	232	25.9	20.4	93	9	13	2.3E-04
08.49.00	226	25.9	20.5	90	8	7	2.3E-04
08.49.10	213	26.1	20.3	94	9	13	2.3E-04
08.49.20	194	26.2	19.8	87	10	11	2.1E-04
08.49.30	181	26.1	20.5	79	10	13	2.0E-04
08.49.40	167	25.8	21.4	74	10	15	2.0E-04

TABLE 26. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.49.50	153	26.2	20.6	76	11	22	2.0E-04
08.50.00	139	26.4	20.6	80	12	12	2.1E-04
08.50.10	127	26.4	21.0	79	9	17	2.1E-04

## F. Spiral at F

08.50.10	127	26.4	21.0	79	9	17	2.1E-04
08.50.20	126	26.2	21.5	72	11	12	2.0E-04
08.50.30	130	25.8	22.1	70	11	14	2.0E-04
08.50.40	132	25.5	22.3	64	10	15	1.9E-04
08.50.50	144	25.4	22.0	63	10	12	1.9E-04
08.51.00	143	25.7	22.1	69	11	6	1.9E-04
08.51.10	154	25.9	21.5	66	10	15	1.9E-04
08.51.20	186	25.7	21.4	77	8	8	2.0E-04
08.51.30	218	25.7	20.5	70	7	17	2.1E-04
08.51.40	252	25.6	19.7	73	9	11	2.0E-04
08.51.50	286	25.6	18.9	74	10	9	2.0E-04
08.52.00	312	25.4	18.6	86	9	18	2.0E-04
08.52.10	336	25.3	18.2	84	10	11	2.0E-04
08.52.20	365	25.0	18.7	75	9	10	2.0E-04
08.52.30	396	24.8	18.6	85	9	15	2.0E-04
08.52.40	426	24.6	18.8	86	11	17	2.0E-04
08.52.50	451	24.5	18.5	82	9	15	2.0E-04
08.53.00	477	24.4	18.5	90	9	13	1.9E-04
08.53.10	505	24.2	18.6	94	8	9	1.8E-04
08.53.20	533	24.0	18.8	98	11	11	1.6E-04
08.53.30	564	23.7	18.9	92	9	13	1.5E-04
08.53.40	596	23.4	18.8	93	8	5	1.5E-04
08.53.50	626	23.2	18.6	82	8	10	1.5E-04
08.54.00	655	22.9	18.4	94	8	6	1.5E-04
08.54.10	681	22.6	18.4	94	10	8	1.5E-04
08.54.20	709	22.4	18.2	98	8	12	1.5E-04
08.54.30	736	22.2	18.1	101	9	10	1.6E-04
08.54.40	766	22.0	17.9	93	9	11	1.6E-04
08.54.50	794	21.8	17.8	96	10	12	1.7E-04
08.55.00	824	21.5	17.6	91	10	11	1.7E-04
08.55.10	857	21.3	17.3	90	10	14	1.7E-04
08.55.20	886	21.0	17.0	89	10	11	1.8E-04
08.55.30	916	20.8	17.3	87	8	16	2.0E-04
08.55.40	947	20.4	17.6	98	8	13	2.2E-04
08.55.50	977	20.1	17.8	101	10	12	2.4E-04
08.56.00	1005	19.8	17.7	100	11	14	2.3E-04

TABLE 26. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.56.10	1032	19.5	17.8	101	10	12	2.3E-04
08.56.20	1061	19.3	17.7	106	7	17	2.3E-04
08.56.30	1089	19.0	17.4	105	9	11	2.3E-04
08.56.40	1118	18.8	17.4	108	10	11	2.3E-04
08.56.50	1144	18.6	17.0	105	12	11	2.3E-04
08.57.00	1171	18.5	16.4	103	10	10	2.3E-04
08.57.10	1197	18.5	15.8	103	9	11	2.3E-04
08.57.20	1222	18.3	16.1	101	9	13	2.3E-04
08.57.30	1250	18.1	15.6	99	9	17	2.3E-04
08.57.40	1278	18.1	15.0	99	9	12	2.3E-04
08.57.50	1306	17.9	14.9	92	8	15	2.2E-04
08.58.00	1333	17.9	14.1	86	7	8	1.7E-04
08.58.10	1361	17.8	12.8	83	8	9	1.3E-04
08.58.20	1390	17.9	11.4	78	8	9	8.2E-05
08.58.30	1418	18.0	10.2	77	8	12	5.9E-05
08.58.40	1448	17.9	10.3	77	10	11	5.5E-05
08.58.50	1477	17.8	10.1	70	11	7	5.2E-05
08.59.00	1506	17.7	9.5	70	9	10	4.1E-05
08.59.10	1534	17.6	8.9	68	9	6	2.5E-05
08.59.20	1564	17.4	9.1	70	9	14	2.5E-05
08.59.30	1592	17.1	10.5	65	11	11	5.2E-05
08.59.40	1618	16.9	12.1	72	10	8	1.0E-04

TABLE 27. - PHOTOCHEMICAL BOX EXPERIMENT, AUGUST 31, 1979  
(NORTHEAST FLOW CASE): LOCATION A SPIRAL DATA

A. First Spiral

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.19.50	1606	17.1	12.2	75	8	9	1.2E-04
09.20.00	1592	17.2	11.5	81	7	5	1.1E-04
09.20.10	1567	17.6	10.4	79	8	9	7.2E-05
09.20.20	1536	17.9	10.2	71	10	15	6.1E-05
09.20.30	1512	18.2	9.3	71	9	8	3.5E-05
09.20.40	1488	18.3	9.6	72	11	9	3.5E-05
09.20.50	1466	18.1	10.0	70	10	13	4.5E-05
09.21.00	1436	18.1	11.2	77	8	10	6.5E-05
09.21.10	1387	18.2	13.1	74	9	10	1.2E-04
09.21.20	1352	18.3	14.3	88	8	7	1.8E-04
09.21.30	1324	18.2	15.3	96	9	17	2.3E-04
09.21.40	1305	18.2	15.7	100	8	14	2.4E-04
09.21.50	1282	18.2	16.1	103	8	4	2.4E-04
09.22.00	1249	18.4	15.8	106	8	7	2.4E-04
09.22.10	1216	18.7	16.1	105	7	8	2.4E-04
09.22.20	1181	19.0	16.6	107	8	11	2.4E-04
09.22.30	1146	19.2	17.2	112	9	13	2.4E-04
09.22.40	1117	19.4	17.5	110	8	12	2.3E-04
09.22.50	1087	19.6	17.5	112	6	17	2.3E-04
09.23.00	1051	19.9	17.6	110	9	14	2.3E-04
09.23.10	1020	20.2	17.5	108	9	14	2.4E-04
09.23.20	984	20.7	17.4	107	9	15	2.4E-04
09.23.30	948	21.0	16.8	104	9	12	2.1E-04
09.23.40	913	21.4	16.7	92	8	18	2.0E-04
09.23.50	898	21.4	16.7	82	6	11	1.9E-04
09.24.00	905	21.2	16.8	89	8	8	2.0E-04
09.24.10	911	21.0	17.2	94	8	9	2.2E-04
09.24.20	904	20.9	17.2	93	9	17	2.2E-04
09.24.30	894	21.0	17.0	85	9	12	2.1E-04
09.24.40	891	20.9	17.0	87	11	14	2.1E-04
09.24.50	878	21.0	16.9	89	10	14	2.0E-04
09.25.00	861	21.2	17.1	89	11	11	2.1E-04
09.25.10	825	21.6	17.2	88	10	11	2.0E-04
09.25.20	787	21.9	17.8	91	11	10	2.0E-04
09.25.30	757	22.1	18.0	102	10	11	1.9E-04
09.25.40	736	22.3	18.1	101	9	8	1.8E-04
09.25.50	716	22.4	18.3	105	10	13	1.8E-04
09.26.00	687	22.6	18.4	98	9	7	1.8E-04
09.26.10	657	22.8	18.7	97	8	13	1.7E-04
09.26.20	624	23.0	18.8	93	8	14	1.7E-04
09.26.30	595	23.3	18.8	90	11	13	1.8E-04
09.26.40	566	23.6	18.8	93	10	12	1.8E-04

TABLE 27. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.26.50	537	23.9	18.9	87	9	12	1.8E-04
09.27.00	514	24.0	18.9	91	9	14	1.7E-04
09.27.10	476	24.4	18.8	93	11	13	2.0E-04
09.27.20	441	24.7	19.0	91	11	15	2.2E-04
09.27.30	407	25.1	18.9	84	11	15	2.2E-04
09.27.40	369	25.4	19.5	91	12	15	2.2E-04
09.27.50	339	25.6	19.7	86	10	15	2.2E-04
09.28.00	316	25.6	20.0	79	8	16	2.4E-04
09.28.10	298	25.5	20.3	80	6	15	2.4E-04
09.28.20	286	25.3	20.7	72	10	16	2.4E-04
09.28.30	270	25.2	20.9	64	11	21	2.4E-04
09.28.40	248	25.2	21.6	64	13	17	2.3E-04
09.28.50	233	25.1	21.9	61	11	20	2.2E-04
09.29.00	218	25.1	22.3	55	10	25	2.2E-04
09.29.10	197	25.2	22.4	62	10	19	2.2E-04
09.29.20	172	25.4	22.6	62	11	21	2.2E-04
09.29.30	152	25.6	22.8	61	11	14	2.1E-04

## B. Second Spiral

10.13.20	1623	16.6	11.1	72	7	9	9.0E-05
10.13.30	1595	16.7	11.8	74	8	17	1.0E-04
10.13.40	1544	17.0	11.9	78	9	11	1.0E-04
10.13.50	1507	17.3	11.9	73	8	14	9.8E-05
10.14.00	1478	17.5	12.0	75	7	13	1.0E-04
10.14.10	1455	17.7	12.2	72	8	16	1.0E-04
10.14.20	1425	17.8	13.4	70	8	13	1.4E-04
10.14.30	1395	17.9	14.1	83	8	9	1.6E-04
10.14.40	1366	17.9	15.2	89	10	7	2.1E-04
10.14.50	1339	17.9	15.4	95	11	11	2.2E-04
10.15.00	1310	18.1	15.6	92	10	12	2.1E-04
10.15.10	1279	18.4	15.6	90	10	11	2.0E-04
10.15.20	1244	18.7	15.6	90	10	13	2.0E-04
10.15.30	1206	19.0	15.5	86	8	19	1.9E-04
10.15.40	1168	19.3	15.4	82	9	13	1.8E-04
10.15.50	1132	19.6	16.0	82	7	13	1.9E-04
10.16.00	1096	19.8	16.5	90	8	7	1.9E-04
10.16.10	1060	20.1	16.7	92	8	13	1.9E-04
10.16.20	1024	20.5	16.3	85	12	16	1.9E-04
10.16.30	988	20.6	16.9	90	10	11	1.9E-04
10.16.40	954	20.8	17.6	95	9	13	1.9E-04
10.16.50	920	21.0	17.7	92	9	16	1.9E-04

TABLE 27. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.17.00	888	21.3	17.7	86	6	13	1.9E-04
10.17.10	856	21.5	17.8	91	10	5	1.8E-04
10.17.20	823	21.8	17.9	90	11	10	1.8E-04
10.17.30	789	22.1	18.1	96	9	14	1.7E-04
10.17.40	755	22.4	18.1	98	6	12	1.7E-04
10.17.50	724	22.7	18.2	90	8	7	1.7E-04
10.18.00	694	23.0	18.3	90	9	20	1.7E-04
10.18.10	664	23.2	18.5	88	10	18	1.7E-04
10.18.20	634	23.4	18.2	96	11	12	1.6E-04
10.18.30	606	23.6	18.0	88	11	9	1.7E-04
10.18.40	580	23.8	18.5	86	10	13	1.8E-04
10.18.50	558	24.0	18.8	86	6	8	1.8E-04
10.19.00	530	24.2	18.4	82	9	11	1.8E-04
10.19.10	503	24.5	17.9	86	10	11	1.7E-04
10.19.20	479	24.7	18.1	82	11	6	1.8E-04
10.19.30	455	24.8	18.3	90	10	6	1.7E-04
10.19.40	431	24.9	18.4	79	8	10	1.8E-04
10.19.50	405	25.1	18.7	82	10	17	1.8E-04
10.20.00	376	25.2	19.1	88	9	11	1.8E-04
10.20.10	347	25.5	19.2	82	10	23	1.9E-04
10.20.20	332	25.6	19.1	80	10	19	1.9E-04
10.20.30	325	24.9	21.8	86	10	12	1.9E-04
10.20.40	312	25.0	21.4	66	12	19	2.1E-04
10.20.50	292	25.1	21.4	71	9	15	2.1E-04
10.21.00	282	25.2	21.2	70	6	14	2.1E-04

## C. Third Spiral

14.36.20	1602	16.8	12.3	88	9	15	1.3E-04
14.36.30	1571	17.1	12.1	82	10	13	1.3E-04
14.36.40	1533	17.4	12.4	86	12	9	1.3E-04
14.36.50	1501	17.8	12.4	89	13	12	1.3E-04
14.37.00	1471	18.0	12.7	78	13	13	1.4E-04
14.37.10	1434	18.3	12.8	86	12	17	1.4E-04
14.37.20	1403	18.6	13.0	84	11	13	1.4E-04
14.37.30	1374	18.8	13.5	87	11	11	1.5E-04
14.37.40	1346	19.0	13.8	92	8	19	1.5E-04
14.37.50	1315	19.3	13.5	94	11	11	1.5E-04
14.38.00	1283	19.7	13.0	90	10	12	1.3E-04
14.38.10	1253	20.0	13.0	89	10	15	1.2E-04
14.38.20	1223	20.2	13.3	86	11	18	1.2E-04
14.38.30	1193	20.3	14.1	90	9	9	1.4E-04



TABLE 27. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.38.40	1158	20.4	14.8	93	12	11	1.5E-04
14.38.50	1123	20.5	15.4	93	11	13	1.6E-04
14.39.00	1085	20.7	15.7	94	10	15	1.6E-04
14.39.10	1045	20.9	16.0	98	10	13	1.7E-04
14.39.20	1008	21.3	16.1	94	9	15	1.7E-04
14.39.30	970	21.6	16.3	103	10	11	1.8E-04
14.39.40	930	22.0	16.6	101	12	16	2.1E-04
14.39.50	896	22.3	16.7	95	12	14	2.2E-04
14.40.00	868	22.5	16.7	100	11	16	2.3E-04
14.40.10	841	22.7	16.8	96	10	13	2.1E-04
14.40.20	812	22.9	17.0	112	11	16	2.0E-04
14.40.30	780	23.1	17.1	106	12	12	1.9E-04
14.40.40	749	23.3	17.4	97	10	14	1.9E-04
14.40.50	713	23.5	17.5	117	10	12	2.0E-04
14.41.00	679	23.8	17.5	106	10	13	2.0E-04
14.41.10	652	23.9	17.7	108	12	17	2.0E-04
14.41.20	624	24.1	17.9	111	10	14	2.2E-04
14.41.30	584	24.5	17.9	111	10	9	2.2E-04
14.41.40	543	24.9	17.9	114	10	13	2.2E-04
14.41.50	504	25.2	18.0	112	11	13	2.2E-04
14.42.00	467	25.4	18.3	108	11	10	2.2E-04
14.42.10	431	25.7	18.5	114	10	14	2.3E-04
14.42.20	396	26.0	18.4	110	11	11	2.1E-04
14.42.30	363	26.2	18.4	109	10	17	2.1E-04
14.42.40	334	26.4	18.5	106	9	11	2.1E-04
14.42.50	303	26.7	18.5	113	8	17	2.1E-04
14.43.00	273	26.8	18.5	115	10	12	2.2E-04
14.43.10	240	26.9	18.6	111	12	11	2.2E-04
14.43.20	207	26.7	20.3	112	9	15	2.1E-04
14.43.30	176	26.5	21.4	119	10	14	2.1E-04
14.43.40	146	26.4	21.2	118	13	18	2.1E-04

## D. Fourth Spiral

15.26.20	1611	17.7	10.8	83	10	11	1.0E-04
15.26.30	1600	17.7	11.3	85	9	5	1.1E-04
15.26.40	1548	18.1	11.5	82	9	3	1.2E-04
15.26.50	1504	18.5	11.5	90	9	9	1.2E-04
15.27.00	1469	18.9	11.7	90	9	10	1.2E-04
15.27.10	1438	19.1	11.9	91	9	9	1.2E-04
15.27.20	1407	19.3	12.1	89	10	14	1.3E-04
15.27.30	1376	19.4	12.5	84	11	12	1.3E-04

TABLE 27. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.27.40	1344	19.6	12.7	89	8	15	1.3E-04
15.27.50	1311	19.7	13.2	86	9	11	1.4E-04
15.28.00	1275	20.0	13.6	91	8	16	1.4E-04
15.28.10	1236	20.3	13.8	91	8	11	1.4E-04
15.28.20	1198	20.7	13.9	96	9	12	1.4E-04
15.28.30	1159	21.0	13.9	92	9	5	1.3E-04
15.28.40	1121	21.2	14.6	98	8	13	1.4E-04
15.28.50	1084	21.4	15.1	98	9	11	1.5E-04
15.29.00	1050	21.5	15.7	99	8	12	1.6E-04
15.29.10	1018	21.6	16.1	98	11	11	1.9E-04
15.29.20	987	21.8	16.3	95	13	15	1.9E-04
15.29.30	957	22.0	16.3	100	11	18	1.9E-04
15.29.40	923	22.3	16.6	101	11	17	1.9E-04
15.29.50	888	22.6	16.7	102	11	15	1.9E-04
15.30.00	852	22.8	16.7	101	9	11	2.2E-04
15.30.10	815	23.1	16.8	109	12	13	2.6E-04
15.30.20	779	23.4	16.9	101	11	14	2.4E-04
15.30.30	742	23.7	17.0	104	9	12	2.6E-04
15.30.40	709	24.0	17.1	101	8	16	2.7E-04
15.30.50	679	24.2	17.2	107	7	12	2.6E-04
15.31.00	650	24.4	17.3	105	8	15	2.2E-04
15.31.10	621	24.7	17.4	103	10	13	2.2E-04
15.31.20	591	24.9	17.6	113	9	17	2.2E-04
15.31.30	563	25.0	17.9	112	10	17	2.1E-04
15.31.40	535	25.2	18.1	104	10	9	2.0E-04
15.31.50	504	25.4	18.0	107	9	17	2.0E-04
15.32.00	466	25.8	18.0	115	9	14	2.0E-04
15.32.10	424	26.2	18.0	108	10	13	2.0E-04
15.32.20	397	26.4	18.0	110	10	14	2.0E-04
15.32.30	374	26.5	17.9	111	10	8	2.0E-04
15.32.40	349	26.7	17.9	108	11	18	2.0E-04
15.32.50	321	26.8	18.0	106	11	10	1.9E-04
15.33.00	294	26.8	18.3	107	9	15	1.8E-04
15.33.10	272	26.8	18.5	111	8	9	1.9E-04
15.33.20	250	26.5	19.6	110	8	17	1.9E-04
15.33.30	229	26.4	21.6	120	8	15	2.0E-04
15.33.40	213	26.4	21.2	123	10	18	2.1E-04
15.33.50	194	26.4	21.2	130	10	14	2.1E-04
15.34.00	167	26.4	21.3	123	11	19	2.1E-04
15.34.10	154	26.2	21.4	128	10	26	2.1E-04

TABLE 28. - PHOTOCHEMICAL BOX EXPERIMENT, AUGUST 31, 1979  
(NORTHEAST FLOW CASE): LEG AB DATA

A. First Pass

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.29.40	138	25.7	22.9	65	9	13	2.1E-04
09.29.50	156	25.6	22.8	62	9	14	2.1E-04
09.30.00	186	25.3	22.2	61	10	16	2.2E-04
09.30.10	212	25.1	21.9	58	7	21	2.4E-04
09.30.20	231	25.0	21.6	61	8	16	2.4E-04
09.30.30	249	25.0	21.4	58	12	22	2.5E-04
09.30.40	266	25.0	20.8	51	12	31	2.5E-04
09.30.50	283	24.8	20.8	55	11	28	2.5E-04
09.31.00	298	24.9	20.5	52	12	32	2.5E-04
09.31.10	293	25.0	20.5	61	12	31	2.6E-04
09.31.20	284	25.1	20.6	60	13	24	2.6E-04
09.31.30	286	25.1	20.5	59	12	22	2.6E-04
09.31.40	289	25.1	20.6	59	13	23	2.5E-04
09.31.50	287	25.2	20.5	55	10	22	2.6E-04
09.32.00	287	25.3	20.4	56	13	23	2.6E-04
09.32.10	286	25.2	20.5	60	12	27	2.6E-04
09.32.20	287	25.2	20.6	64	11	13	2.5E-04
09.32.30	287	25.2	20.6	64	11	16	2.5E-04
09.32.40	287	25.2	20.8	65	11	17	2.5E-04
09.32.50	287	24.8	22.1	65	12	21	2.2E-04
09.33.00	287	24.5	22.8	60	10	20	1.8E-04
09.33.10	286	24.4	22.9	55	10	12	1.7E-04
09.33.20	285	24.3	22.8	58	10	17	1.7E-04
09.33.30	285	24.2	22.8	56	11	14	1.7E-04
09.33.40	285	24.4	22.4	60	10	16	2.0E-04
09.33.50	287	24.4	22.4	64	9	11	2.1E-04
09.34.00	288	24.3	22.4	67	9	15	2.1E-04
09.34.10	288	24.3	22.5	58	10	14	2.0E-04
09.34.20	288	24.2	22.5	60	10	13	2.0E-04
09.34.30	288	24.1	22.5	62	8	11	2.0E-04
09.34.40	288	24.2	22.4	62	10	14	2.1E-04
09.34.50	287	24.1	22.7	60	8	11	1.9E-04
09.35.00	289	24.0	22.7	66	9	16	1.9E-04
09.35.10	288	24.1	22.4	59	8	16	2.0E-04
09.35.20	287	24.3	21.9	51	11	20	2.1E-04
09.35.30	291	24.3	22.1	57	12	27	2.1E-04
09.35.40	288	24.3	22.1	54	14	33	2.1E-04
09.35.50	288	24.5	21.7	60	11	17	2.1E-04
09.36.00	288	24.6	21.6	55	15	32	2.1E-04
09.36.10	289	24.8	21.4	61	13	25	2.2E-04
09.36.20	290	24.5	22.2	70	12	14	2.1E-04
09.36.30	287	24.5	22.1	58	12	10	2.0E-04

TABLE 28. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.36.40	288	24.6	21.8	63	12	15	2.2E-04
B. Second Pass							
10.24.00	288	24.8	21.7	77	9	12	2.2E-04
10.24.10	285	24.9	21.8	69	9	12	2.1E-04
10.24.20	295	25.1	20.2	71	7	16	2.0E-04
10.24.30	293	25.5	18.8	87	9	19	1.8E-04
10.24.40	297	25.6	18.8	81	10	7	1.8E-04
10.24.50	292	25.7	19.0	76	11	12	1.8E-04
10.25.00	290	25.6	19.0	86	10	13	1.8E-04
10.25.10	293	25.6	19.0	79	8	12	1.8E-04
10.25.20	293	25.6	19.1	74	9	15	1.9E-04
10.25.30	292	25.4	19.8	80	7	13	2.1E-04
10.25.40	290	25.5	19.5	76	10	8	2.1E-04
10.25.50	290	25.6	19.1	79	12	20	2.0E-04
10.26.00	291	25.5	19.4	81	13	16	2.0E-04
10.26.10	292	25.5	19.7	82	10	13	2.2E-04
10.26.20	293	25.5	20.0	79	8	15	2.3E-04
10.26.30	293	25.5	20.1	83	11	18	2.4E-04
10.26.40	292	25.4	20.2	81	8	18	2.4E-04
10.26.50	292	25.5	20.1	72	7	17	2.3E-04
10.27.00	292	25.5	20.0	75	5	16	2.3E-04
10.27.10	293	25.5	20.0	75	7	10	2.4E-04
10.27.20	292	25.3	19.9	80	9	14	2.2E-04
10.27.30	293	25.3	20.2	84	10	14	2.2E-04
10.27.40	294	25.1	20.8	80	10	17	2.1E-04
10.27.50	292	25.2	20.2	78	9	9	2.1E-04
10.28.00	292	25.2	20.7	78	10	16	2.1E-04
10.28.10	292	24.9	21.3	78	11	11	2.1E-04
10.28.20	292	25.0	20.9	76	10	19	2.1E-04
10.28.30	292	25.0	21.0	82	10	14	2.1E-04
10.28.40	292	25.0	20.7	83	12	14	2.1E-04
10.28.50	293	25.0	21.2	75	10	12	2.0E-04
10.29.00	292	24.8	21.2	73	9	11	2.0E-04
10.29.10	293	24.8	21.5	78	10	8	2.1E-04
10.29.20	293	24.7	21.7	76	9	10	2.1E-04
10.29.30	292	24.7	21.6	81	11	16	2.1E-04
10.29.40	292	24.7	21.4	80	12	19	2.1E-04
10.29.50	293	24.6	21.6	73	8	17	2.1E-04
10.30.00	292	24.7	21.4	71	9	22	2.1E-04
10.30.10	292	24.6	21.6	78	7	26	2.1E-04

TABLE 28. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.30.20	291	24.7	21.4	78	11	18	2.1E-04
10.30.30	290	24.8	20.9	75	10	21	2.0E-04
10.30.40	294	24.9	21.0	79	9	14	2.0E-04
10.30.50	294	25.1	21.6	79	12	22	2.1E-04
10.31.00	294	25.0	22.1	66	11	23	2.1E-04
10.31.10	294	25.1	22.2	69	12	13	2.1E-04

## C. Third Pass

14.43.50	123	26.3	21.6	131	11	15	2.0E-04
14.44.00	140	26.0	21.7	119	9	17	2.0E-04
14.44.10	193	25.7	20.0	123	9	15	2.3E-04
14.44.20	232	26.0	18.8	132	10	15	2.5E-04
14.44.30	264	26.0	18.4	112	9	15	2.3E-04
14.44.40	288	25.9	18.3	111	11	12	2.5E-04
14.44.50	288	25.9	18.1	105	12	12	2.2E-04
14.45.00	275	26.0	18.3	117	11	16	2.9E-04
14.45.10	281	25.9	18.3	114	9	15	2.7E-04
14.45.20	282	25.8	18.3	116	9	12	2.6E-04
14.45.30	281	26.0	18.1	116	11	18	2.4E-04
14.45.40	281	26.0	18.1	114	11	12	2.4E-04
14.45.50	280	25.9	18.5	119	10	15	2.3E-04
14.46.00	279	25.9	19.1	119	10	14	2.1E-04
14.46.10	279	25.8	19.5	124	11	17	2.0E-04
14.46.20	281	25.9	19.4	117	10	19	2.0E-04
14.46.30	280	25.8	19.8	112	10	13	2.0E-04
14.46.40	279	25.7	20.1	112	10	13	2.0E-04
14.46.50	279	25.7	20.2	120	10	18	2.0E-04
14.47.00	280	25.6	20.1	119	10	18	2.0E-04
14.47.10	279	25.6	20.2	125	9	17	1.9E-04
14.47.20	279	25.5	20.2	124	9	15	2.0E-04
14.47.30	277	25.8	19.6	121	11	15	2.0E-04
14.47.40	278	25.8	19.6	114	10	14	1.9E-04
14.47.50	280	25.5	20.1	121	10	17	1.9E-04
14.48.00	280	25.6	20.0	117	10	17	1.9E-04
14.48.10	278	25.7	19.5	124	11	13	2.0E-04
14.48.20	277	25.7	19.5	118	10	15	2.1E-04
14.48.30	279	25.7	19.2	130	12	17	2.0E-04
14.48.40	279	25.8	19.0	124	9	13	2.0E-04
14.48.50	277	25.9	18.9	120	7	13	2.0E-04
14.49.00	279	25.8	19.1	120	9	15	1.9E-04
14.49.10	281	25.7	19.2	124	11	16	1.9E-04

TABLE 28. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.49.20	282	25.7	19.4	121	12	19	1.9E-04
14.49.30	281	25.7	19.4	123	11	17	1.9E-04
14.49.40	281	25.6	19.6	120	10	15	1.9E-04
14.49.50	279	25.7	19.4	121	9	11	1.9E-04
14.50.00	280	25.7	19.3	118	10	13	1.8E-04
14.50.10	279	25.7	19.3	121	10	16	1.8E-04
14.50.20	279	25.8	19.2	114	9	19	1.7E-04
14.50.30	280	26.0	18.4	117	10	15	1.7E-04

## D. Fourth Pass

15.34.20	135	26.2	21.5	129	9	17	2.0E-04
15.34.30	130	26.1	21.8	133	11	14	1.9E-04
15.34.40	171	25.7	21.3	128	8	12	1.9E-04
15.34.50	202	25.5	20.2	129	9	10	2.1E-04
15.35.00	227	25.7	19.0	137	9	9	2.6E-04
15.35.10	252	26.0	18.5	146	7	12	2.7E-04
15.35.20	278	26.0	18.5	115	8	5	2.2E-04
15.35.30	300	25.9	18.3	118	7	12	2.2E-04
15.35.40	300	25.9	18.1	114	10	19	2.3E-04
15.35.50	288	26.0	18.2	106	9	19	2.2E-04
15.36.00	292	25.8	18.2	122	9	11	2.3E-04
15.36.10	294	26.0	17.9	124	11	11	2.3E-04
15.36.20	293	26.2	17.9	117	9	13	2.4E-04
15.36.30	293	26.1	18.1	122	9	16	2.4E-04
15.36.40	292	26.1	18.4	115	9	15	2.2E-04
15.36.50	292	26.1	18.7	122	9	18	2.1E-04
15.37.00	292	26.0	19.2	121	10	14	1.9E-04
15.37.10	292	26.0	19.3	112	9	14	1.8E-04
15.37.20	291	26.0	19.2	119	8	13	1.9E-04
15.37.30	292	26.1	19.0	115	8	14	1.9E-04
15.37.40	292	26.1	18.8	115	8	15	1.9E-04
15.37.50	290	26.2	18.5	118	10	11	1.9E-04
15.38.00	292	26.4	18.2	119	8	15	1.9E-04
15.38.10	290	26.5	17.7	124	7	14	1.9E-04
15.38.20	292	26.4	18.1	118	8	10	1.8E-04
15.38.30	291	26.4	18.0	119	9	16	1.7E-04
15.38.40	292	26.4	17.9	115	11	9	1.7E-04
15.38.50	291	26.3	18.2	115	9	14	1.7E-04
15.39.00	290	26.3	18.3	117	8	16	1.7E-04
15.39.10	292	26.2	18.4	114	7	11	1.7E-04
15.39.20	291	26.1	18.7	117	9	14	1.7E-04
15.39.30	292	26.1	18.9	115	10	8	1.6E-04
15.39.40	292	26.0	18.9	124	11	13	1.6E-04
15.39.50	293	26.0	18.7	124	11	14	1.7E-04
15.40.00	293	26.0	18.9	117	12	9	1.6E-04
15.40.10	293	26.0	19.0	112	12	11	1.6E-04
15.40.20	293	26.0	19.0	119	11	12	1.6E-04
15.40.30	292	26.1	18.9	125	12	13	1.6E-04
15.40.40	290	26.2	18.9	112	10	14	1.6E-04

TABLE 29. - PHOTOCHEMICAL BOX EXPERIMENT, AUGUST 31, 1979  
(NORTHEAST FLOW CASE): LEG CD DATA

A. First Pass							
TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.41.10	288	24.4	22.4	49	10	20	2.0E-04
09.41.20	287	24.4	22.6	51	14	22	2.0E-04
09.41.30	286	24.4	22.6	47	15	27	2.0E-04
09.41.40	288	24.5	22.5	56	12	28	2.0E-04
09.41.50	288	24.6	22.2	49	12	25	2.3E-04
09.42.00	287	24.6	22.4	60	11	21	2.1E-04
09.42.10	288	24.9	21.3	58	11	29	2.1E-04
09.42.20	288	24.8	22.2	62	11	19	2.0E-04
09.42.30	287	25.3	21.1	63	9	20	2.1E-04
09.42.40	283	25.0	22.5	72	9	19	2.0E-04
09.42.50	288	25.1	21.8	56	11	23	2.0E-04
09.43.00	286	25.2	22.1	69	12	20	2.0E-04
09.43.10	287	25.2	22.2	61	11	31	1.9E-04
09.43.20	287	25.3	21.9	59	12	30	2.0E-04
09.43.30	285	25.3	21.8	56	10	23	2.1E-04
09.43.40	288	25.3	22.1	62	12	28	2.0E-04
09.43.50	288	25.3	22.0	63	11	30	2.0E-04
09.44.00	284	25.5	21.1	61	12	32	2.2E-04
09.44.10	286	25.5	21.3	76	12	19	2.3E-04
09.44.20	290	25.4	21.8	71	11	22	2.1E-04
09.44.30	286	25.5	21.6	72	11	26	2.3E-04
09.44.40	287	25.4	21.8	74	11	24	2.2E-04
09.44.50	287	25.4	21.9	77	12	20	2.1E-04
09.45.00	286	25.4	21.4	68	10	24	2.1E-04
09.45.10	285	25.3	22.1	67	9	22	2.0E-04
09.45.20	289	25.5	21.3	73	9	19	2.2E-04
09.45.30	287	25.4	22.0	67	9	22	2.1E-04
09.45.40	286	25.4	21.8	62	12	30	2.1E-04
09.45.50	288	25.4	21.9	69	12	20	2.1E-04
09.46.00	287	25.4	21.8	63	12	26	2.0E-04
09.46.10	289	25.4	21.8	63	14	25	2.0E-04
09.46.20	287	25.5	21.8	75	12	21	2.1E-04
09.46.30	290	25.4	21.9	68	9	23	2.0E-04
09.46.40	288	25.5	21.7	71	11	21	2.1E-04
09.46.50	292	25.5	22.0	71	12	23	2.0E-04
09.47.00	286	25.6	21.4	71	12	23	2.0E-04
09.47.10	287	25.6	21.1	81	10	16	2.1E-04
09.47.20	288	25.6	21.2	82	9	17	2.1E-04
09.47.30	286	25.4	22.0	68	11	15	2.0E-04
09.47.40	290	25.4	21.5	66	8	15	2.1E-04

TABLE 29. - Continued

## B. Second Pass

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.35.20	293	24.9	22.0	66	11	20	2.2E-04
10.35.30	290	24.9	22.5	67	11	18	2.1E-04
10.35.40	293	25.0	22.3	61	10	23	2.1E-04
10.35.50	298	24.9	22.1	64	13	22	2.1E-04
10.36.00	293	25.0	22.1	69	11	26	2.3E-04
10.36.10	297	24.8	22.5	70	10	14	2.2E-04
10.36.20	295	24.8	22.5	65	11	17	2.1E-04
10.36.30	294	24.7	22.4	59	14	20	2.1E-04
10.36.40	295	24.7	22.3	65	13	22	2.2E-04
10.36.50	298	24.9	21.7	72	12	26	2.2E-04
10.37.00	295	25.1	21.6	74	11	23	2.3E-04
10.37.10	292	25.1	22.0	77	9	20	2.3E-04
10.37.20	295	24.8	22.6	65	7	15	2.2E-04
10.37.30	297	25.0	22.4	54	10	23	2.2E-04
10.37.40	293	25.0	22.4	64	12	23	2.2E-04
10.37.50	299	25.1	22.3	65	14	19	2.2E-04
10.38.00	297	25.2	21.6	63	13	22	2.3E-04
10.38.10	293	25.2	22.0	73	13	23	2.2E-04
10.38.20	297	25.1	22.4	55	10	21	2.1E-04
10.38.30	296	25.2	21.8	62	11	25	2.2E-04
10.38.40	291	25.3	21.7	65	13	24	2.3E-04
10.38.50	297	25.2	22.1	70	10	24	2.2E-04
10.39.00	295	25.2	21.6	64	9	21	2.3E-04
10.39.10	294	25.2	22.2	66	12	21	2.3E-04
10.39.20	297	25.1	22.3	65	11	19	2.2E-04
10.39.30	294	25.1	21.8	68	14	23	2.3E-04
10.39.40	295	25.2	21.5	71	15	18	2.4E-04
10.39.50	293	25.2	21.6	69	15	22	2.3E-04
10.40.00	294	25.0	22.1	70	14	16	2.3E-04
10.40.10	295	25.1	21.8	72	11	25	2.3E-04
10.40.20	299	25.0	22.1	61	8	23	2.2E-04
10.40.30	295	25.1	21.8	67	11	20	2.2E-04
10.40.40	297	25.2	21.9	76	11	21	2.3E-04
10.40.50	298	25.1	21.9	73	11	24	2.2E-04
10.41.00	293	25.0	22.4	69	10	16	2.2E-04
10.41.10	299	25.1	21.6	62	10	25	2.2E-04
10.41.20	294	25.3	21.6	76	9	19	2.2E-04
10.41.30	293	25.1	22.4	73	9	20	2.2E-04
10.41.40	300	25.2	21.9	70	13	16	2.2E-04
10.41.50	292	25.3	21.8	75	14	13	2.3E-04
10.42.00	296	25.3	21.6	67	12	21	2.2E-04
10.42.10	297	25.3	21.8	68	10	16	2.3E-04
10.42.20	289	25.3	21.8	74	7	20	2.2E-04



TABLE 29. - Continued

## C. Third Pass

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.54.30	279	26.2	20.6	128	11	19	2.1E-04
14.54.40	277	26.5	19.6	127	12	21	2.1E-04
14.54.50	282	26.3	19.9	126	11	20	2.1E-04
14.55.00	281	26.4	19.8	123	9	15	2.1E-04
14.55.10	281	26.3	20.5	124	8	17	2.1E-04
14.55.20	280	26.3	20.4	128	9	24	2.1E-04
14.55.30	281	26.5	20.0	127	10	18	2.1E-04
14.55.40	281	26.5	19.8	134	8	18	2.1E-04
14.55.50	279	26.4	19.6	125	7	16	2.1E-04
14.56.00	282	26.4	19.6	128	9	15	2.1E-04
14.56.10	279	26.4	20.2	124	9	15	2.1E-04
14.56.20	277	26.5	20.1	119	11	15	2.1E-04
14.56.30	281	26.5	20.0	124	11	17	2.1E-04
14.56.40	278	26.7	20.2	126	9	21	2.1E-04
14.56.50	281	26.8	20.0	122	10	20	2.1E-04
14.57.00	279	26.8	20.1	121	11	19	2.1E-04
14.57.10	278	26.8	19.9	126	11	26	2.2E-04
14.57.20	281	26.8	19.8	119	11	19	2.2E-04
14.57.30	278	26.9	19.8	115	8	21	2.2E-04
14.57.40	285	26.8	19.9	123	8	20	2.2E-04
14.57.50	276	26.9	19.7	122	9	26	2.3E-04
14.58.00	278	26.8	20.0	116	9	15	2.3E-04
14.58.10	284	26.7	20.2	121	12	16	2.3E-04
14.58.20	281	26.7	20.2	108	10	22	2.2E-04
14.58.30	277	26.9	20.5	116	10	18	2.2E-04
14.58.40	281	26.8	20.3	117	9	20	2.2E-04
14.58.50	277	26.8	20.3	119	10	22	2.3E-04
14.59.00	279	26.8	20.2	121	12	20	2.3E-04
14.59.10	282	26.7	20.5	123	12	18	2.2E-04
14.59.20	279	26.8	20.5	120	11	21	2.2E-04
14.59.30	281	27.0	20.7	120	12	19	2.1E-04
14.59.40	279	26.9	20.6	121	10	22	2.1E-04
14.59.50	279	26.9	20.8	120	11	21	2.1E-04
15.00.00	282	27.1	20.0	117	9	22	2.1E-04
15.00.10	272	27.1	20.3	113	9	15	2.1E-04
15.00.20	283	27.0	20.7	111	10	10	2.1E-04
15.00.30	276	27.0	21.0	119	9	22	2.2E-04
15.00.40	275	27.1	20.8	124	9	15	2.2E-04
15.00.50	276	27.0	21.0	122	9	20	2.2E-04
15.01.00	282	27.0	21.0	119	11	19	2.4E-04
15.01.10	273	27.0	21.1	117	10	17	2.3E-04
15.01.20	281	26.9	21.1	117	12	15	2.2E-04
15.01.30	275	26.8	20.8	124	11	18	2.3E-04
15.01.40	276	26.9	21.1	127	9	16	2.3E-04
15.01.50	275	26.8	21.3	119	8	15	2.3E-04

TABLE 29. - Concluded

## D. Fourth Pass

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.44.30	295	26.4	19.8	117	9	15	1.9E-04
15.44.40	288	26.6	19.7	128	8	20	2.0E-04
15.44.50	295	26.5	20.0	128	9	18	2.1E-04
15.45.00	301	26.4	20.4	116	9	14	2.1E-04
15.45.10	293	26.6	19.8	130	8	19	2.1E-04
15.45.20	291	26.6	19.8	117	10	12	2.1E-04
15.45.30	297	26.5	20.2	125	9	9	2.0E-04
15.45.40	292	26.5	19.6	124	9	20	2.0E-04
15.45.50	292	26.5	19.8	126	11	20	2.0E-04
15.46.00	297	26.5	20.2	129	9	19	2.0E-04
15.46.10	294	26.7	20.1	121	9	18	2.2E-04
15.46.20	294	26.6	20.1	113	9	22	2.9E-04
15.46.30	290	26.7	20.0	118	10	18	2.1E-04
15.46.40	295	26.8	19.4	117	10	25	2.1E-04
15.46.50	292	27.0	19.7	117	10	19	2.1E-04
15.47.00	289	27.0	19.5	117	10	21	2.1E-04
15.47.10	293	27.0	19.8	118	12	19	2.1E-04
15.47.20	293	27.1	19.2	115	10	20	2.2E-04
15.47.30	290	27.1	19.6	116	9	19	2.2E-04
15.47.40	296	27.2	19.5	113	11	23	2.2E-04
15.47.50	290	27.0	20.0	115	9	17	2.2E-04
15.48.00	295	27.1	20.1	116	10	23	2.3E-04
15.48.10	293	27.0	19.9	119	13	36	2.2E-04
15.48.20	293	27.1	20.0	113	11	21	2.3E-04
15.48.30	292	27.1	19.6	110	8	23	2.2E-04
15.48.40	290	27.1	20.0	114	9	18	2.2E-04
15.48.50	297	27.1	20.0	116	10	21	2.2E-04
15.49.00	290	27.1	20.2	110	11	24	2.2E-04
15.49.10	292	27.0	20.2	114	11	20	2.2E-04
15.49.20	297	27.1	20.2	108	9	19	2.2E-04
15.49.30	290	27.2	20.2	121	13	16	2.2E-04
15.49.40	295	27.2	20.0	116	11	18	2.2E-04
15.49.50	286	27.3	20.0	122	11	15	2.2E-04
15.50.00	295	27.3	19.9	116	9	16	2.2E-04
15.50.10	297	27.3	20.4	107	8	19	2.3E-04
15.50.20	288	27.4	20.5	113	10	22	2.3E-04
15.50.30	290	27.3	20.3	118	9	17	2.3E-04
15.50.40	290	27.3	20.0	115	11	15	2.3E-04
15.50.50	290	27.2	20.2	113	10	6	2.2E-04
15.51.00	293	27.0	20.9	123	12	16	2.4E-04
15.51.10	297	26.8	20.8	121	9	20	2.3E-04
15.51.20	285	26.8	20.7	133	10	21	2.3E-04
15.51.30	290	26.8	20.5	127	10	20	2.3E-04
15.51.40	295	26.7	20.3	121	8	12	2.3E-04
15.51.50	288	26.6	21.1	120	6	12	2.4E-04

TABLE 30. - PHOTOCHEMICAL BOX EXPERIMENT, AUGUST 31, 1979  
(NORTHEAST FLOW CASE): LEG EF DATA

A. First Pass

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.51.20	297	25.5	21.5	85	9	9	2.1E-04
09.51.30	286	25.9	20.6	83	10	23	2.1E-04
09.51.40	288	25.8	21.3	89	9	15	2.1E-04
09.51.50	290	25.6	21.8	83	7	16	2.1E-04
09.52.00	285	26.0	20.7	80	6	21	2.1E-04
09.52.10	290	25.7	21.3	93	9	8	2.0E-04
09.52.20	288	25.9	20.8	89	8	19	2.1E-04
09.52.30	289	25.7	21.5	87	9	10	2.0E-04
09.52.40	290	25.5	22.4	77	9	18	2.1E-04
09.52.50	288	25.6	21.5	66	11	35	2.1E-04
09.53.00	288	25.7	21.6	84	10	20	2.1E-04
09.53.10	289	25.5	21.9	76	11	26	2.1E-04
09.53.20	288	25.7	21.4	74	12	25	2.2E-04
09.53.30	289	25.7	21.5	73	11	21	2.1E-04
09.53.40	288	25.7	21.8	76	10	20	2.1E-04
09.53.50	288	25.8	21.6	79	12	30	2.8E-04
09.54.00	290	25.7	22.0	86	11	31	3.4E-04
09.54.10	285	25.7	21.8	74	13	42	3.6E-04
09.54.20	288	25.6	21.7	73	12	34	3.6E-04
09.54.30	289	25.6	21.5	80	13	32	3.2E-04
09.54.40	293	25.6	22.1	71	13	32	2.4E-04
09.54.50	290	25.6	21.7	67	15	43	2.3E-04
09.55.00	289	25.5	21.8	74	14	40	2.2E-04
09.55.10	289	25.5	21.5	71	13	32	2.2E-04
09.55.20	290	25.5	21.4	81	13	35	2.3E-04
09.55.30	292	25.3	22.1	73	14	27	2.2E-04
09.55.40	290	25.2	21.8	68	13	38	2.3E-04
09.55.50	289	25.6	20.9	70	14	38	2.4E-04
09.56.00	297	25.2	22.1	83	14	27	2.3E-04
09.56.10	292	25.3	21.6	67	13	28	2.3E-04

B. Second Pass

14.15.00	279	27.6	20.4	117	11	18	2.6E-04
14.15.10	281	27.4	20.1	118	11	16	2.5E-04
14.15.20	279	27.4	20.1	114	11	17	2.5E-04
14.15.30	282	27.4	20.0	117	12	13	2.6E-04
14.15.40	282	27.4	19.4	118	11	21	2.6E-04
14.15.50	281	27.5	19.4	118	10	15	2.5E-04
14.16.00	284	27.4	20.3	118	11	14	2.5E-04

TABLE 30. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.16.10	279	27.3	20.2	124	11	15	2.5E-04
14.16.20	283	27.3	20.1	120	11	16	2.5E-04
14.16.30	286	27.2	20.3	118	11	16	2.5E-04
14.16.40	286	27.2	20.2	119	11	13	2.6E-04
14.16.50	286	27.3	20.4	119	10	13	2.5E-04
14.17.00	293	27.3	20.6	122	9	16	2.5E-04
14.17.10	281	27.4	20.3	123	10	15	2.5E-04
14.17.20	280	27.5	19.6	116	12	17	2.6E-04
14.17.30	286	27.5	20.1	119	10	13	2.6E-04
14.17.40	290	27.5	20.3	119	10	18	2.5E-04
14.17.50	273	27.6	20.1	123	12	19	2.5E-04
14.18.00	285	27.3	20.0	123	14	20	2.5E-04
14.18.10	291	27.3	20.0	124	11	20	2.6E-04
14.18.20	289	27.4	19.8	119	9	20	2.7E-04
14.18.30	280	27.7	19.5	111	12	41	2.6E-04
14.18.40	279	27.6	19.5	120	13	28	2.5E-04
14.18.50	288	27.5	19.7	120	12	26	2.5E-04
14.19.00	288	27.5	19.6	126	12	22	2.5E-04
14.19.10	282	27.7	19.5	126	11	22	2.5E-04
14.19.20	281	27.7	19.8	127	10	20	2.5E-04
14.19.30	280	27.6	19.2	126	11	25	2.5E-04
14.19.40	287	27.5	18.9	121	13	16	2.5E-04

## C. Third Pass

15.04.30	282	27.2	21.1	116	7	15	2.5E-04
15.04.40	268	27.4	21.1	118	8	12	2.5E-04
15.04.50	286	27.3	21.1	115	7	17	2.5E-04
15.05.00	289	27.4	20.9	110	8	18	2.5E-04
15.05.10	270	27.7	20.8	116	10	12	2.5E-04
15.05.20	277	27.4	20.5	109	9	18	2.5E-04
15.05.30	279	27.5	20.7	117	8	19	2.6E-04
15.05.40	282	27.5	20.5	115	9	19	2.6E-04
15.05.50	275	27.6	20.1	114	10	16	2.7E-04
15.06.00	282	27.5	20.5	114	10	15	2.7E-04
15.06.10	279	27.5	20.6	122	10	16	2.7E-04
15.06.20	281	27.4	20.7	127	8	14	2.6E-04
15.06.30	287	27.5	20.8	117	8	16	2.6E-04
15.06.40	272	27.6	20.8	122	9	16	2.6E-04
15.06.50	276	27.5	21.0	122	8	13	2.5E-04
15.07.00	289	27.4	21.1	122	8	16	2.5E-04
15.07.10	281	27.6	21.0	122	10	19	2.5E-04
15.07.20	275	27.7	21.0	127	13	15	2.5E-04
15.07.30	275	27.6	20.7	118	13	28	2.5E-04
15.07.40	282	27.5	20.6	123	11	19	2.6E-04
15.07.50	282	27.5	20.4	125	9	12	2.4E-04
15.08.00	273	27.7	20.3	125	8	17	2.5E-04

TABLE 30. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.08.10	282	27.6	20.2	119	8	14	2.5E-04
15.08.20	282	27.7	20.2	123	8	19	2.4E-04
15.08.30	273	27.8	19.9	112	9	23	2.5E-04
15.08.40	279	27.7	19.8	115	9	25	2.6E-04
15.08.50	286	27.6	19.8	124	9	21	2.5E-04
15.09.00	277	27.6	19.8	117	10	9	2.4E-04
15.09.10	277	27.7	19.8	118	11	19	2.4E-04
15.09.20	288	27.6	19.8	118	10	20	2.5E-04
15.09.30	274	27.8	19.4	120	11	26	2.4E-04
15.09.40	303	27.7	19.6	121	11	15	2.3E-04

## D. Fourth Pass

15.54.40	293	26.9	20.1	112	8	15	2.4E-04
15.54.50	290	27.0	20.3	104	8	17	2.4E-04
15.55.00	306	26.8	20.9	108	9	19	2.4E-04
15.55.10	297	26.9	20.9	112	10	14	2.4E-04
15.55.20	288	27.2	20.8	117	8	13	2.4E-04
15.55.30	296	27.0	20.3	111	9	17	2.4E-04
15.55.40	288	27.2	19.9	115	8	18	2.4E-04
15.55.50	293	27.1	20.0	107	10	16	2.4E-04
15.56.00	298	26.9	20.7	110	10	11	2.4E-04
15.56.10	293	27.0	20.6	116	8	17	2.4E-04
15.56.20	291	27.1	20.0	113	7	14	2.4E-04
15.56.30	295	27.1	20.3	117	9	14	2.4E-04
15.56.40	295	27.1	20.2	115	11	11	2.3E-04
15.56.50	298	27.1	20.8	120	10	17	2.4E-04
15.57.00	296	27.2	20.3	119	11	13	2.4E-04
15.57.10	287	27.4	20.2	119	11	15	2.5E-04
15.57.20	295	27.2	21.0	120	11	11	2.4E-04
15.57.30	301	27.1	20.9	114	10	17	2.4E-04
15.57.40	291	27.3	20.6	115	10	19	2.4E-04
15.57.50	297	27.3	20.5	118	9	16	2.4E-04
15.58.00	297	27.4	20.3	115	7	24	2.3E-04
15.58.10	292	27.5	20.2	121	8	25	2.3E-04
15.58.20	293	27.4	20.2	115	9	22	2.3E-04
15.58.30	295	27.5	20.0	113	10	27	2.3E-04
15.58.40	292	27.4	19.9	116	9	22	2.3E-04
15.58.50	293	27.4	19.8	114	9	26	2.3E-04
15.59.00	295	27.4	19.1	118	9	20	2.3E-04
15.59.10	295	27.5	19.0	122	9	18	2.2E-04
15.59.20	297	27.4	19.8	113	10	15	2.3E-04
15.59.30	301	27.4	19.9	112	6	16	2.3E-04
15.59.40	291	27.8	19.6	122	9	19	2.3E-04

TABLE 31. - PHOTOCHEMICAL BOX EXPERIMENT, AUGUST 31, 1979  
(NORTHEAST FLOW CASE): LOCATION F SPIRAL DATA

A. First Spiral

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
09.56.20	292	25.2	21.6	65	11	24	2.3E-04
09.56.30	297	25.2	21.6	68	10	21	2.2E-04
09.56.40	312	25.1	21.8	68	12	25	2.2E-04
09.56.50	369	24.6	21.2	72	11	20	2.2E-04
09.57.00	418	24.5	19.9	80	9	22	2.5E-04
09.57.10	456	24.3	19.7	96	11	15	2.5E-04
09.57.20	483	24.1	19.6	94	11	21	2.6E-04
09.57.30	509	24.0	19.4	95	11	16	2.4E-04
09.57.40	531	23.8	19.4	100	9	11	2.4E-04
09.57.50	557	23.6	19.2	94	9	11	2.3E-04
09.58.00	587	23.4	18.9	92	10	10	2.2E-04
09.58.10	619	23.2	18.6	93	9	17	2.1E-04
09.58.20	654	22.9	18.4	87	8	11	2.0E-04
09.58.30	688	22.6	18.8	94	8	14	2.2E-04
09.58.40	720	22.3	19.1	91	9	20	2.3E-04
09.58.50	752	22.0	18.9	92	8	13	2.3E-04
09.59.00	782	21.7	18.5	91	9	12	2.3E-04
09.59.10	809	21.6	18.3	92	10	17	2.3E-04
09.59.20	835	21.3	18.2	94	8	16	2.3E-04
09.59.30	865	21.1	18.0	91	7	11	2.4E-04
09.59.40	899	20.8	18.1	101	10	17	2.3E-04
09.59.50	930	20.5	17.9	97	11	8	2.3E-04
10.00.00	958	20.3	17.8	95	9	21	2.3E-04
10.00.10	984	20.1	17.8	95	7	16	2.3E-04
10.00.20	1010	19.9	17.6	97	9	9	2.3E-04
10.00.30	1038	19.7	17.6	99	10	11	2.3E-04
10.00.40	1065	19.6	17.2	98	12	16	2.2E-04
10.00.50	1091	19.4	16.5	89	9	18	2.0E-04
10.01.00	1122	19.3	16.1	85	8	13	1.9E-04
10.01.10	1148	19.2	15.6	79	9	12	1.9E-04
10.01.20	1172	19.1	15.6	77	7	13	1.9E-04
10.01.30	1196	19.1	14.8	80	10	13	1.8E-04
10.01.40	1234	18.9	14.6	84	11	12	1.6E-04
10.01.50	1274	18.4	15.2	83	8	10	1.9E-04
10.02.00	1313	18.0	15.0	78	7	16	1.9E-04
10.02.10	1354	17.6	15.0	78	10	9	1.9E-04
10.02.20	1396	17.4	13.7	86	10	17	1.6E-04
10.02.30	1438	17.2	13.3	82	9	13	1.4E-04
10.02.40	1477	16.9	13.2	79	10	10	1.4E-04
10.02.50	1509	16.7	13.5	78	11	10	1.5E-04
10.03.00	1537	16.6	13.4	74	10	8	1.5E-04
10.03.10	1566	16.4	12.7	79	9	11	1.4E-04

TABLE 31. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.03.20	1592	16.5	12.1	84	8	14	1.2E-04
10.03.30	1601	16.5	12.0	77	8	17	1.1E-04
10.03.40	1619	16.6	12.3	69	10	9	1.1E-04
10.03.50	1627	16.6	12.4	76	10	13	1.1E-04
10.04.00	1624	16.7	12.2	75	9	12	1.1E-04

## B. Second Spiral

14.19.50	300	27.5	19.4	117	14	17	2.5E-04
14.20.00	343	27.0	19.6	124	11	22	2.4E-04
14.20.10	380	26.6	19.2	125	11	25	2.5E-04
14.20.20	418	26.1	19.5	126	11	17	2.4E-04
14.20.30	450	25.8	19.4	126	11	23	2.4E-04
14.20.40	475	25.6	19.0	127	10	21	2.4E-04
14.20.50	500	25.4	19.2	125	11	15	2.3E-04
14.21.00	530	25.1	19.4	131	11	21	2.3E-04
14.21.10	539	25.3	19.3	129	12	19	2.3E-04
14.21.20	578	24.8	19.3	124	12	18	2.3E-04
14.21.30	622	24.4	19.0	126	12	19	2.3E-04
14.21.40	675	23.8	19.2	120	13	20	2.3E-04
14.21.50	711	23.4	19.0	125	11	13	2.4E-04
14.22.00	751	23.0	18.9	131	11	22	2.3E-04
14.22.10	789	22.7	19.0	132	12	22	2.4E-04
14.22.20	825	22.4	18.0	120	12	23	2.4E-04
14.22.30	854	22.2	17.6	105	11	20	2.5E-04
14.22.40	876	22.1	17.4	103	10	14	2.4E-04
14.22.50	898	21.8	17.8	103	11	14	2.4E-04
14.23.00	933	21.5	17.7	114	11	16	2.5E-04
14.23.10	960	21.3	17.3	112	11	16	2.6E-04
14.23.20	982	21.2	16.9	104	11	19	2.8E-04
14.23.30	1004	20.9	17.0	103	10	15	2.6E-04
14.23.40	1034	20.5	17.5	107	11	17	2.5E-04
14.23.50	1061	20.5	15.6	107	12	19	2.2E-04
14.24.00	1087	20.4	15.4	104	11	13	2.0E-04
14.24.10	1117	20.1	15.4	96	10	13	2.1E-04
14.24.20	1146	19.9	15.3	106	11	13	2.1E-04
14.24.30	1173	20.0	14.2	105	11	19	1.8E-04
14.24.40	1202	19.8	14.0	96	12	13	1.6E-04
14.24.50	1232	19.8	13.7	91	11	15	1.5E-04
14.25.00	1266	19.3	14.1	91	10	12	1.6E-04
14.25.10	1307	18.7	14.8	105	11	12	1.8E-04
14.25.20	1346	18.5	13.9	98	10	15	1.6E-04

TABLE 31. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.25.30	1383	18.4	13.6	101	11	11	1.6E-04
14.25.40	1419	18.0	13.7	100	11	17	1.6E-04
14.25.50	1445	17.8	13.4	100	10	19	1.5E-04
14.26.00	1473	18.0	12.3	89	11	13	1.3E-04
14.26.10	1506	17.8	11.6	83	11	10	1.1E-04
14.26.20	1541	17.4	11.5	87	10	11	1.0E-04
14.26.30	1577	17.1	11.5	79	10	13	1.1E-04
14.26.40	1614	17.0	10.8	86	9	13	1.0E-04

## C. Third Spiral

15.09.50	353	27.0	20.2	130	9	18	2.3E-04
15.10.00	399	26.4	20.3	130	8	22	2.2E-04
15.10.10	433	26.0	20.2	127	9	21	2.3E-04
15.10.20	461	25.7	20.0	131	9	19	2.3E-04
15.10.30	490	25.5	19.9	136	10	29	2.3E-04
15.10.40	536	25.0	20.0	130	11	21	2.3E-04
15.10.50	576	24.6	19.9	130	11	21	2.3E-04
15.11.00	615	24.4	19.6	131	11	16	2.3E-04
15.11.10	651	24.1	18.7	133	11	25	2.3E-04
15.11.20	674	24.0	18.7	119	10	16	2.5E-04
15.11.30	707	23.7	18.3	125	10	15	2.6E-04
15.11.40	741	23.4	18.5	114	8	12	2.5E-04
15.11.50	778	23.0	18.1	121	9	18	2.6E-04
15.12.00	808	22.7	17.9	110	10	16	2.7E-04
15.12.10	831	22.5	17.7	107	10	14	2.6E-04
15.12.20	854	22.3	17.8	116	10	15	2.6E-04
15.12.30	888	21.8	17.9	113	11	20	2.5E-04
15.12.40	922	21.6	17.1	111	11	23	2.5E-04
15.12.50	959	21.3	17.0	103	10	16	2.5E-04
15.13.00	996	21.0	16.6	108	10	16	2.4E-04
15.13.10	1029	21.2	15.1	98	10	16	1.8E-04
15.13.20	1060	21.0	15.0	97	11	11	1.7E-04
15.13.30	1088	20.9	14.5	93	8	9	1.5E-04
15.13.40	1119	20.5	14.7	91	9	11	1.6E-04
15.13.50	1144	20.4	14.4	87	9	14	1.6E-04
15.14.00	1170	20.4	14.0	90	9	12	1.5E-04
15.14.10	1199	20.2	14.0	91	7	16	1.4E-04
15.14.20	1230	20.0	13.9	93	8	14	1.4E-04
15.14.30	1262	19.6	14.0	86	9	14	1.4E-04
15.14.40	1295	19.4	13.5	89	10	15	1.4E-04
15.14.50	1330	19.1	13.4	94	11	9	1.4E-04



TABLE 31. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.15.00	1366	18.8	13.4	90	10	17	1.3E-04
15.15.10	1404	18.6	12.8	90	9	17	1.3E-04
15.15.20	1443	18.3	12.1	89	9	17	1.1E-04
15.15.30	1484	18.1	11.8	86	8	15	1.1E-04
15.15.40	1519	17.8	11.8	86	8	16	1.1E-04
15.15.50	1539	17.5	11.7	84	9	15	1.1E-04
15.16.00	1554	17.5	11.7	85	9	13	1.1E-04
15.16.10	1580	17.3	11.6	78	8	13	1.1E-04
15.16.20	1612	17.1	11.7	83	9	9	1.1E-04
15.16.30	1625	17.2	11.5	85	9	10	1.1E-04

## D. Fourth Spiral

15.59.50	319	27.5	19.2	113	10	21	2.3E-04
16.00.00	378	26.8	19.0	116	9	18	2.2E-04
16.00.10	420	26.3	18.9	115	9	16	2.3E-04
16.00.20	454	26.0	18.7	115	10	16	2.2E-04
16.00.30	486	25.6	19.4	115	10	19	2.3E-04
16.00.40	517	25.3	19.4	117	7	15	2.2E-04
16.00.50	546	25.2	19.4	120	11	21	2.3E-04
16.01.00	584	24.9	19.2	120	10	21	2.3E-04
16.01.10	613	24.6	18.5	122	8	18	2.2E-04
16.01.20	649	24.4	18.1	118	9	15	2.2E-04
16.01.30	678	24.0	18.5	114	10	15	2.2E-04
16.01.40	707	23.6	18.9	118	9	16	2.4E-04
16.01.50	740	23.2	19.1	120	12	24	2.4E-04
16.02.00	782	22.8	19.0	117	9	28	2.3E-04
16.02.10	824	22.4	18.7	114	8	24	2.2E-04
16.02.20	864	22.0	18.3	108	8	23	2.2E-04
16.02.30	900	21.8	17.3	112	9	28	2.1E-04
16.02.40	934	21.4	18.3	108	10	15	2.1E-04
16.02.50	966	21.0	17.8	115	8	22	2.1E-04
16.03.00	999	21.1	16.7	95	6	19	1.9E-04
16.03.10	1034	20.8	16.2	97	7	13	1.8E-04
16.03.20	1072	20.5	15.9	99	11	17	1.7E-04
16.03.30	1110	20.2	15.8	94	12	17	1.7E-04
16.03.40	1144	19.9	15.7	98	12	8	1.6E-04
16.03.50	1175	19.8	15.1	94	11	16	1.6E-04
16.04.00	1202	19.9	13.9	89	9	11	1.4E-04
16.04.10	1223	19.9	13.7	89	7	13	1.3E-04
16.04.20	1245	19.8	13.8	87	10	11	1.4E-04
16.04.30	1272	19.6	13.8	86	11	17	1.3E-04

TABLE 31. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
16.04.40	1303	19.7	12.8	87	10	10	1.3E-04
16.04.50	1339	19.4	11.7	90	10	14	1.2E-04
16.05.00	1376	19.1	11.6	80	11	13	1.2E-04
16.05.10	1415	18.9	11.5	82	10	10	1.2E-04
16.05.20	1451	18.5	12.1	83	10	14	1.3E-04
16.05.30	1487	18.2	12.4	87	8	17	1.3E-04
16.05.40	1523	18.1	12.0	91	9	12	1.3E-04
16.05.50	1559	17.8	11.9	87	11	18	1.2E-04
16.06.00	1594	17.4	12.0	86	10	12	1.3E-04
16.06.10	1632	17.1	11.8	86	9	12	1.2E-04
16.06.20	1648	17.4	10.4	85	9	10	1.1E-04

TABLE 32 - SWAMP EXPERIMENT, AUGUST 15, 1979: LOCATION LD SPIRAL DATA

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
06.36.30	1591	14.1	10.4	79	11	15	1.7E-04
06.36.40	1557	14.4	10.4	79	13	16	1.7E-04
06.36.50	1520	14.7	10.4	76	12	16	1.8E-04
06.37.00	1488	14.9	10.7	78	13	15	1.7E-04
06.37.10	1458	15.0	10.7	77	14	15	1.7E-04
06.37.20	1429	15.0	10.8	74	13	14	1.9E-04
06.37.30	1395	15.1	11.0	72	13	14	2.0E-04
06.37.40	1358	15.4	11.0	73	13	16	2.1E-04
06.37.50	1320	15.7	11.1	71	11	15	2.1E-04
06.38.00	1286	15.9	11.2	72	11	15	2.1E-04
06.38.10	1256	16.0	11.3	73	11	15	2.2E-04
06.38.20	1224	16.0	11.4	70	11	15	2.2E-04
06.38.30	1187	16.2	11.5	69	12	16	2.2E-04
06.38.40	1152	16.4	11.6	71	10	15	2.2E-04
06.38.50	1118	16.6	11.7	70	10	15	2.2E-04
06.39.00	1085	16.8	11.7	71	11	15	2.2E-04
06.39.10	1054	17.0	11.7	68	12	15	2.1E-04
06.39.20	1023	17.2	11.3	67	12	15	2.0E-04
06.39.30	986	17.5	10.9	66	12	15	1.8E-04
06.39.40	946	17.9	10.4	65	13	16	1.6E-04
06.39.50	901	18.2	9.3	67	13	15	1.4E-04
06.40.00	858	18.5	8.9	67	12	15	1.3E-04
06.40.10	821	18.8	8.7	65	12	17	1.2E-04
06.40.20	787	19.1	8.5	65	11	17	1.1E-04
06.40.30	758	19.2	8.2	68	12	14	1.1E-04
06.40.40	734	19.3	7.8	64	12	15	1.0E-04
06.40.50	711	19.5	7.4	64	13	16	9.1E-05
06.41.00	687	19.5	6.5	62	12	14	7.8E-05
06.41.10	666	19.6	6.2	63	12	13	7.3E-05
06.41.20	646	19.8	5.9	59	13	12	7.6E-05
06.41.30	621	19.9	5.4	62	14	13	6.5E-05
06.41.40	590	20.1	5.9	63	11	13	7.0E-05
06.41.50	558	20.2	6.6	63	11	14	7.4E-05
06.42.00	521	20.3	7.7	60	11	14	8.0E-05
06.42.10	484	20.5	8.8	59	13	14	8.6E-05
06.42.20	445	20.7	9.6	60	14	13	9.5E-05
06.42.30	407	20.8	10.7	58	13	14	1.0E-04
06.42.40	369	20.9	12.4	58	12	15	1.1E-04
06.42.50	330	21.0	13.5	53	12	16	1.3E-04
06.43.00	295	21.3	13.4	51	12	16	1.3E-04
06.43.10	262	21.6	13.0	53	11	15	1.3E-04
06.43.20	229	21.8	13.5	55	11	15	1.3E-04

TABLE 32. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
06.43.30	197	21.9	14.4	51	13	15	1.4E-04
06.43.40	159	22.1	14.9	48	12	15	1.5E-04
06.43.50	134	22.1	15.2	47	12	16	1.6E-04
06.44.00	123	22.0	15.4	49	11	16	1.6E-04
06.44.10	143	21.8	15.2	46	12	16	1.6E-04
06.44.20	168	21.6	15.0	47	12	16	1.6E-04
06.44.30	187	21.5	14.8	47	12	16	1.6E-04
06.44.40	201	21.4	14.6	48	12	15	1.5E-04
06.44.50	216	21.3	14.5	48	11	15	1.5E-04
06.45.00	237	21.2	14.3	50	13	13	1.4E-04
06.45.10	265	21.0	14.1	51	12	15	1.4E-04
06.45.20	291	20.8	13.8	49	12	16	1.4E-04
06.45.30	315	20.6	13.4	50	11	16	1.4E-04
06.45.40	340	20.7	11.3	50	10	16	1.1E-04
06.45.50	367	20.4	11.5	50	11	16	1.1E-04
06.46.00	394	20.1	12.4	55	12	16	1.2E-04
06.46.10	418	20.0	11.8	55	12	15	1.1E-04
06.46.20	444	20.1	9.9	53	13	16	9.7E-05
06.46.30	473	20.1	7.9	53	11	15	8.4E-05
06.46.40	506	20.0	6.1	53	11	15	6.8E-05
06.46.50	536	19.7	6.6	59	11	15	6.8E-05
06.47.00	562	19.4	6.7	56	13	14	7.2E-05
06.47.10	586	19.3	6.0	57	10	13	6.6E-05
06.47.20	609	19.1	6.2	58	10	14	6.7E-05
06.47.30	632	18.9	6.2	57	12	13	7.0E-05
06.47.40	656	18.8	5.4	60	12	13	6.6E-05
06.47.50	679	18.6	5.1	58	11	13	6.3E-05
06.48.00	701	18.4	5.1	59	10	14	6.6E-05
06.48.10	720	18.3	4.9	60	11	14	6.2E-05
06.48.20	738	18.2	4.9	59	10	14	6.0E-05
06.48.30	755	18.1	4.9	60	11	14	6.0E-05
06.48.40	773	17.9	5.1	58	11	13	6.1E-05
06.48.50	793	17.7	6.0	60	11	14	6.5E-05
06.49.00	813	17.7	6.5	60	10	14	6.8E-05
06.49.10	832	17.7	8.1	61	11	15	8.7E-05
06.49.20	851	17.6	8.6	59	11	14	9.6E-05
06.49.30	867	17.6	9.5	62	11	14	1.0E-04
06.49.40	884	17.4	9.5	64	12	14	1.0E-04
06.49.50	902	17.4	9.5	63	12	14	1.1E-04
06.50.00	920	17.3	9.3	64	12	14	1.1E-04
06.50.10	938	17.3	9.4	64	11	15	1.2E-04
06.50.20	958	17.2	9.9	65	11	15	1.3E-04

TABLE 32. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
06.50.30	977	17.2	10.6	66	12	16	1.5E-04
06.50.40	995	17.0	10.8	67	12	15	1.6E-04
06.50.50	1016	16.9	11.1	64	12	14	1.7E-04
06.51.00	1036	16.7	11.3	63	12	14	1.8E-04
06.51.10	1057	16.4	11.5	67	11	15	1.8E-04
06.51.20	1080	16.2	11.7	62	11	14	1.9E-04
06.51.30	1100	16.0	11.7	63	11	15	2.0E-04
06.51.40	1120	15.8	11.7	64	12	14	2.0E-04
06.51.50	1143	15.7	11.7	67	13	15	2.0E-04
06.52.00	1166	15.5	11.7	65	11	16	2.0E-04
06.52.10	1192	15.3	11.6	66	12	16	2.1E-04
06.52.20	1216	15.2	11.6	67	13	15	2.1E-04
06.52.30	1239	15.0	11.5	66	13	15	2.1E-04
06.52.40	1261	14.8	11.5	66	13	15	2.1E-04
06.52.50	1282	14.6	11.4	67	11	15	2.1E-04
06.53.00	1304	14.6	11.4	65	12	14	2.1E-04
06.53.10	1323	14.5	11.3	66	12	14	2.1E-04
06.53.20	1343	14.3	11.2	68	12	14	2.0E-04
06.53.30	1364	14.2	11.2	70	12	15	2.1E-04
06.53.40	1389	14.1	11.1	68	11	14	2.0E-04
06.53.50	1414	13.9	11.1	71	10	14	2.0E-04
06.54.00	1435	13.8	11.1	71	12	15	2.0E-04
06.54.10	1455	13.8	11.0	71	11	15	2.0E-04
06.54.20	1471	13.7	10.9	69	11	16	1.9E-04
06.54.30	1491	13.7	10.9	68	12	14	1.8E-04
06.54.40	1511	13.5	10.8	66	12	13	1.9E-04
06.54.50	1532	13.5	10.8	68	11	13	1.8E-04
06.55.00	1552	13.5	10.7	73	10	14	1.8E-04
06.55.10	1574	13.4	10.7	70	11	14	1.7E-04
06.55.20	1595	13.4	10.6	71	11	15	1.6E-04
06.55.30	1609	13.4	10.6	70	11	13	1.6E-04

TABLE 33 - SWAMP EXPERIMENT, AUGUST 15, 1979: LEG LD TO NCC

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
06.55.30	1609	13.4	10.6	70	11	13	1.6E-04
06.55.40	1607	13.6	10.6	70	12	13	1.6E-04
06.55.50	1604	13.6	10.6	70	10	11	1.5E-04
06.56.00	1606	13.6	10.6	69	12	11	1.5E-04
06.56.10	1608	13.6	10.6	68	12	13	1.5E-04
06.56.20	1611	13.6	10.6	71	13	12	1.4E-04
06.56.30	1613	13.6	10.5	69	11	12	1.5E-04
06.56.40	1607	13.7	10.4	70	12	11	1.6E-04
06.56.50	1607	13.7	10.5	69	11	12	1.5E-04
06.57.00	1607	13.7	10.6	72	12	13	1.5E-04
06.57.10	1605	13.6	10.6	70	11	13	1.5E-04
06.57.20	1606	13.6	10.5	70	11	15	1.5E-04
06.57.30	1605	13.6	10.5	69	11	15	1.6E-04
06.57.40	1605	13.7	10.4	69	11	14	1.6E-04
06.57.50	1604	13.7	10.4	72	11	12	1.6E-04
06.58.00	1603	13.8	10.2	70	11	13	1.7E-04
06.58.10	1604	13.8	10.3	71	11	14	1.7E-04
06.58.20	1605	13.7	10.3	70	10	13	1.7E-04
06.58.30	1605	13.7	10.3	72	12	12	1.6E-04
06.58.40	1604	13.6	10.4	72	12	14	1.6E-04
06.58.50	1605	13.7	10.5	70	12	14	1.5E-04
06.59.00	1607	13.7	10.5	69	12	14	1.5E-04
06.59.10	1607	13.8	10.3	71	12	14	1.6E-04
06.59.20	1607	13.8	10.4	72	11	15	1.6E-04
06.59.30	1605	13.8	10.4	70	11	14	1.6E-04
06.59.40	1605	13.8	10.4	72	10	16	1.6E-04
06.59.50	1605	13.8	10.5	74	11	15	1.5E-04
07.00.00	1605	13.7	10.6	75	13	15	1.4E-04
07.00.10	1602	13.8	10.6	73	12	15	1.4E-04
07.00.20	1604	13.7	10.6	70	11	15	1.5E-04
07.00.30	1605	13.6	10.5	68	11	14	1.5E-04

TABLE 34 - SWAMP EXPERIMENT, AUGUST 15, 1979: LOCATION NCC SPIRAL DATA

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
07.00.30	1605	13.5	10.5	68	11	14	1.5E-04
07.00.40	1586	13.7	10.5	72	12	13	1.6E-04
07.00.50	1546	14.0	10.7	72	11	14	1.4E-04
07.01.00	1509	14.2	10.6	69	13	13	1.6E-04
07.01.10	1480	14.4	10.6	71	13	14	1.8E-04
07.01.20	1453	14.4	10.7	70	13	15	1.9E-04
07.01.30	1429	14.5	10.9	69	13	15	1.9E-04
07.01.40	1404	14.5	10.9	71	12	13	2.0E-04
07.01.50	1365	14.7	11.2	70	10	12	2.1E-04
07.02.00	1328	14.9	11.2	69	11	14	2.0E-04
07.02.10	1288	15.2	11.3	65	13	14	2.0E-04
07.02.20	1252	15.6	11.4	66	13	14	2.1E-04
07.02.30	1214	15.9	11.4	69	12	14	2.0E-04
07.02.40	1176	16.1	11.5	67	13	14	2.0E-04
07.02.50	1133	16.4	11.6	66	12	13	2.0E-04
07.03.00	1089	16.6	11.6	67	12	13	1.9E-04
07.03.10	1048	16.9	10.8	64	13	13	1.6E-04
07.03.20	1007	17.3	9.5	63	13	13	1.3E-04
07.03.30	973	17.6	9.5	66	11	14	1.3E-04
07.03.40	942	17.9	8.9	64	11	14	1.2E-04
07.03.50	909	18.1	8.0	66	12	14	1.1E-04
07.04.00	879	18.4	7.3	63	13	15	1.0E-04
07.04.10	855	18.5	5.6	65	12	14	8.1E-05
07.04.20	830	18.7	5.8	62	11	14	8.3E-05
07.04.30	795	18.9	4.9	60	11	15	7.2E-05
07.04.40	760	19.1	4.6	59	11	16	6.4E-05
07.04.50	721	19.5	4.6	59	10	15	6.3E-05
07.05.00	675	19.7	5.6	60	11	15	6.3E-05
07.05.10	628	19.8	8.8	63	12	16	8.2E-05
07.05.20	578	19.9	11.9	58	10	15	1.0E-04
07.05.30	530	20.0	12.6	59	12	15	1.0E-04
07.05.40	499	20.0	13.6	55	12	15	1.1E-04
07.05.50	469	20.3	13.5	54	11	15	1.1E-04
07.06.00	432	20.4	14.3	54	12	15	1.1E-04
07.06.10	395	20.6	14.5	51	11	15	1.2E-04
07.06.20	361	20.8	14.5	51	11	17	1.3E-04
07.06.30	329	21.1	14.5	50	11	17	1.2E-04
07.06.40	295	21.3	14.3	50	11	17	1.2E-04
07.06.50	259	21.6	14.1	53	12	17	1.2E-04
07.07.00	220	21.9	14.0	50	13	16	1.3E-04
07.07.10	181	22.2	14.1	51	12	16	1.4E-04
07.07.20	157	22.3	14.3	47	14	16	1.5E-04

TABLE 34. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
07.07.30	135	22.5	14.5	41	12	18	1.5E-04
07.07.40	166	22.2	14.3	34	11	23	1.5E-04
07.07.50	213	21.7	14.3	41	13	24	1.4E-04
07.08.00	249	21.3	14.2	40	14	24	1.3E-04
07.08.10	279	20.9	14.1	39	15	26	1.3E-04
07.08.20	305	20.7	14.2	47	13	26	1.2E-04
07.08.30	326	20.6	14.3	48	12	24	1.3E-04
07.08.40	347	20.5	14.5	48	13	21	1.2E-04
07.08.50	374	20.3	14.6	50	13	19	1.3E-04
07.09.00	400	20.1	14.8	52	14	19	1.3E-04
07.09.10	423	20.0	14.8	50	12	16	1.2E-04
07.09.20	443	19.8	14.6	54	12	14	1.2E-04
07.09.30	464	19.7	14.4	50	12	15	1.2E-04
07.09.40	487	19.6	13.7	49	11	15	1.1E-04
07.09.50	514	19.5	13.0	51	12	16	1.1E-04
07.10.00	538	19.4	12.5	49	13	17	1.1E-04
07.10.10	560	19.5	10.8	52	13	16	9.9E-05
07.10.20	580	19.3	10.8	55	15	16	9.0E-05
07.10.30	600	19.2	10.7	52	12	16	9.0E-05
07.10.40	620	19.2	9.3	54	12	16	8.6E-05
07.10.50	637	19.0	8.8	55	13	17	8.7E-05
07.11.00	657	18.9	9.0	56	12	17	9.3E-05
07.11.10	674	18.7	9.2	56	12	16	8.9E-05
07.11.20	687	18.5	9.3	56	13	15	9.1E-05
07.11.30	703	18.4	8.9	57	11	15	8.9E-05
07.11.40	736	18.4	7.2	57	11	16	8.5E-05
07.11.50	768	18.5	6.3	56	12	16	7.5E-05
07.12.00	796	18.3	6.2	57	10	14	7.3E-05
07.12.10	823	18.1	6.6	61	10	16	8.5E-05
07.12.20	848	18.0	6.9	60	12	16	8.6E-05
07.12.30	874	17.8	7.1	61	12	16	8.8E-05
07.12.40	899	17.6	7.5	61	10	16	9.6E-05
07.12.50	923	17.4	7.6	59	11	16	1.0E-04
07.13.00	949	17.3	7.9	62	11	16	1.0E-04
07.13.10	978	17.1	9.1	59	13	17	1.1E-04
07.13.20	1007	16.7	10.1	63	13	17	1.3E-04
07.13.30	1035	16.4	10.5	63	13	17	1.4E-04
07.13.40	1062	16.2	11.2	62	11	17	1.6E-04
07.13.50	1085	16.0	11.3	65	12	15	1.7E-04
07.14.00	1107	15.8	11.4	64	13	14	1.7E-04
07.14.10	1133	15.6	11.6	63	12	15	1.9E-04
07.14.20	1158	15.5	11.6	60	14	15	1.9E-04



TABLE 34. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
07.14.30	1183	15.4	11.6	66	13	17	2.0E-04
07.14.40	1208	15.2	11.5	63	12	18	2.0E-04
07.14.50	1236	15.0	11.5	65	13	17	2.0E-04
07.15.00	1263	14.8	11.5	63	13	17	2.0E-04
07.15.10	1288	14.6	11.3	66	11	15	2.1E-04
07.15.20	1312	14.5	11.3	64	12	16	2.0E-04
07.15.30	1338	14.3	11.2	66	11	15	2.0E-04
07.15.40	1364	14.1	11.1	68	10	13	2.0E-04
07.15.50	1388	14.0	11.0	68	11	12	2.0E-04
07.16.00	1414	13.8	11.0	66	13	13	2.0E-04
07.16.10	1442	13.6	11.0	68	13	15	2.0E-04
07.16.20	1471	13.5	10.9	66	13	16	2.0E-04
07.16.30	1495	13.4	10.8	68	11	15	1.9E-04
07.16.40	1515	13.3	10.6	67	13	16	1.9E-04
07.16.50	1532	13.2	10.6	69	13	16	1.8E-04
07.17.00	1556	13.1	10.7	68	13	15	1.8E-04
07.17.10	1580	13.1	10.6	64	12	15	1.7E-04
07.17.20	1593	13.1	10.6	69	12	16	1.6E-04
07.17.30	1601	13.3	10.7	69	11	17	1.5E-04

TABLE 35 - SWAMP EXPERIMENT, AUGUST 15, 1979: LEG NCC TO B

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
07.17.30	1601	13.3	10.7	69	11	17	1.5E-04
07.17.40	1610	13.4	10.6	68	12	15	1.3E-04
07.17.50	1610	13.5	10.7	68	12	14	1.3E-04
07.18.00	1605	13.6	10.7	68	12	13	1.3E-04
07.18.10	1607	13.7	10.7	69	13	12	1.3E-04
07.18.20	1605	13.7	10.7	73	12	13	1.3E-04
07.18.30	1605	13.8	10.7	71	11	14	1.4E-04
07.18.40	1603	13.8	10.7	73	10	14	1.4E-04
07.18.50	1605	13.7	10.6	68	10	13	1.5E-04
07.19.00	1605	13.8	10.6	67	12	15	1.6E-04
07.19.10	1602	13.8	10.6	68	12	15	1.6E-04
07.19.20	1601	13.8	10.7	70	11	14	1.5E-04
07.19.30	1603	13.9	10.7	72	11	14	1.5E-04
07.19.40	1604	14.0	10.7	72	10	14	1.4E-04
07.19.50	1603	14.0	10.7	69	11	14	1.4E-04
07.20.00	1602	14.0	10.7	69	11	15	1.4E-04
07.20.10	1601	14.0	10.6	71	12	15	1.4E-04
07.20.20	1602	14.1	10.6	71	12	16	1.4E-04
07.20.30	1601	14.1	10.5	73	11	14	1.5E-04
07.20.40	1600	14.1	10.4	70	12	14	1.5E-04
07.20.50	1602	14.1	10.4	71	12	14	1.6E-04
07.21.00	1600	14.1	10.4	72	11	14	1.5E-04
07.21.10	1602	14.0	10.4	72	11	15	1.6E-04
07.21.20	1602	14.1	10.5	73	12	15	1.5E-04
07.21.30	1608	13.9	10.1	73	10	15	1.5E-04
07.21.40	1633	13.5	10.4	71	11	17	1.6E-04
07.21.50	1653	13.3	10.4	71	12	19	1.6E-04
07.22.00	1668	13.1	10.3	70	13	18	1.6E-04
07.22.10	1680	13.1	10.0	72	11	16	1.7E-04
07.22.20	1690	13.0	10.0	72	11	13	1.9E-04
07.22.30	1696	12.9	9.9	74	12	13	1.9E-04
07.22.40	1703	12.8	10.0	74	13	12	1.8E-04
07.22.50	1709	12.8	10.0	71	12	11	1.8E-04
07.23.00	1722	12.7	10.0	76	12	12	1.8E-04
07.23.10	1736	12.7	9.9	73	9	13	1.6E-04
07.23.20	1746	12.7	9.7	72	9	14	1.7E-04
07.23.30	1753	12.6	9.8	73	11	15	1.7E-04
07.23.40	1761	12.5	9.9	69	12	15	1.7E-04
07.23.50	1770	12.3	9.8	72	12	13	1.7E-04
07.24.00	1774	12.3	9.7	71	12	12	1.7E-04
07.24.10	1769	12.5	9.7	69	12	12	1.7E-04
07.24.20	1768	12.6	9.5	71	12	14	1.7E-04

TABLE 35. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
07.24.30	1769	12.7	9.3	71	11	14	1.8E-04
07.24.40	1766	12.8	9.0	74	13	14	1.8E-04
07.24.50	1765	13.1	8.9	73	13	14	1.8E-04
07.25.00	1767	13.2	8.9	74	9	14	1.7E-04
07.25.10	1767	13.0	8.9	72	11	13	1.8E-04
07.25.20	1766	13.0	9.0	74	10	13	1.9E-04
07.25.30	1765	12.9	8.9	72	11	15	1.9E-04
07.25.40	1764	13.0	8.9	74	13	17	1.8E-04
07.25.50	1764	12.9	9.0	75	13	16	1.9E-04
07.26.00	1765	12.9	8.9	72	12	15	1.9E-04
07.26.10	1764	12.9	9.0	73	11	14	1.9E-04
07.26.20	1763	12.7	9.0	74	10	14	1.9E-04
07.26.30	1765	12.8	9.0	73	11	15	1.9E-04
07.26.40	1766	12.7	9.1	72	12	14	1.9E-04
07.26.50	1765	12.7	9.1	73	10	13	1.9E-04
07.27.00	1763	12.8	9.1	71	10	12	1.9E-04
07.27.10	1762	12.9	9.0	73	9	14	1.9E-04
07.27.20	1764	12.9	8.9	76	11	12	1.8E-04
07.27.30	1764	13.0	8.9	73	11	12	1.9E-04
07.27.40	1765	13.0	8.8	74	11	12	1.8E-04
07.27.50	1765	13.0	8.8	76	12	12	1.8E-04
07.28.00	1765	13.0	8.8	75	11	12	1.8E-04
07.28.10	1764	13.0	8.8	74	12	14	1.8E-04
07.28.20	1762	13.0	8.8	74	10	15	1.8E-04
07.28.30	1766	12.9	8.8	74	10	15	1.8E-04
07.28.40	1764	12.9	8.8	73	9	13	1.9E-04
07.28.50	1762	13.0	8.8	75	11	11	1.8E-04
07.29.00	1761	13.0	8.8	76	9	13	1.8E-04
07.29.10	1760	13.0	8.7	75	8	11	1.8E-04
07.29.20	1761	13.1	8.3	74	10	12	1.7E-04
07.29.30	1762	13.2	8.1	76	15	13	1.8E-04
07.29.40	1762	13.2	8.5	74	15	12	1.7E-04
07.29.50	1761	13.2	8.4	78	12	12	1.7E-04
07.30.00	1760	13.2	8.3	72	11	13	1.8E-04
07.30.10	1761	13.2	8.6	73	10	14	1.7E-04
07.30.20	1762	13.2	8.6	71	11	15	1.8E-04
07.30.30	1762	13.1	8.7	74	10	12	1.7E-04
07.30.40	1762	13.1	8.8	73	11	11	1.8E-04
07.30.50	1761	13.2	8.7	71	11	12	1.8E-04
07.31.00	1760	13.1	8.7	72	10	13	1.8E-04
07.31.10	1758	13.2	8.6	74	11	12	1.8E-04
07.31.20	1759	13.1	8.6	72	12	13	1.8E-04
07.31.30	1760	13.0	8.6	71	14	13	1.8E-04
07.31.40	1760	12.8	8.6	74	11	12	1.8E-04
07.31.50	1764	12.7	8.6	75	11	13	1.8E-04
07.32.00	1765	12.5	8.6	72	11	13	1.8E-04
07.32.10	1764	12.4	8.6	74	11	13	1.9E-04
07.32.20	1762	12.3	8.6	74	11	12	1.9E-04
07.32.30	1769	12.0	8.9	73	12	10	2.0E-04

TABLE 36 - SWAMP EXPERIMENT, AUGUST 15, 1979: LOCATION B SPIRAL DATA

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
07.32.30	1769	12.0	8.9	73	12	10	2.0E-04
07.32.40	1738	12.2	8.8	75	12	10	2.0E-04
07.32.50	1706	12.5	9.1	73	9	9	2.0E-04
07.33.00	1668	13.0	9.5	72	11	9	2.0E-04
07.33.10	1636	13.2	9.6	73	12	11	2.0E-04
07.33.20	1607	13.5	9.7	76	12	11	2.0E-04
07.33.30	1582	13.7	9.9	70	12	14	2.0E-04
07.33.40	1556	14.0	9.9	72	10	14	2.1E-04
07.33.50	1526	14.2	10.1	70	11	14	2.1E-04
07.34.00	1494	14.4	10.2	76	12	13	2.1E-04
07.34.10	1464	14.4	10.4	70	12	12	2.1E-04
07.34.20	1437	14.5	10.8	74	12	13	2.1E-04
07.34.30	1407	14.6	10.9	69	11	13	2.1E-04
07.34.40	1376	14.8	11.2	70	9	14	2.1E-04
07.34.50	1339	14.9	11.7	66	11	13	2.0E-04
07.35.00	1300	15.2	11.9	65	12	12	1.9E-04
07.35.10	1259	15.2	12.2	67	13	15	1.8E-04
07.35.20	1218	15.3	12.4	64	12	16	1.8E-04
07.35.30	1175	15.6	11.7	61	12	13	1.7E-04
07.35.40	1139	16.0	10.5	61	12	15	1.5E-04
07.35.50	1097	16.6	9.0	62	12	16	1.4E-04
07.36.00	1065	17.0	7.6	63	11	14	1.1E-04
07.36.10	1038	17.1	7.5	63	10	13	1.0E-04
07.36.20	1009	17.3	7.9	65	10	13	1.0E-04
07.36.30	982	17.6	7.8	61	10	13	1.0E-04
07.36.40	956	17.8	6.3	64	10	12	8.7E-05
07.36.50	927	17.9	5.6	63	13	13	7.3E-05
07.37.00	896	17.8	6.2	61	11	12	8.2E-05
07.37.10	869	17.8	7.1	63	12	14	8.3E-05
07.37.20	847	18.0	7.0	64	13	13	7.8E-05
07.37.30	812	17.7	8.3	62	11	15	8.9E-05
07.37.40	773	17.8	8.9	62	10	15	9.5E-05
07.37.50	734	17.9	10.0	63	12	16	1.0E-04
07.38.00	701	17.9	10.5	58	11	16	1.1E-04
07.38.10	665	18.2	11.2	56	10	14	1.2E-04
07.38.20	626	18.3	11.8	52	12	12	1.2E-04
07.38.30	587	18.6	12.3	47	12	12	1.3E-04
07.38.40	551	19.0	12.1	47	14	11	1.3E-04
07.38.50	523	19.2	12.4	44	13	12	1.2E-04
07.39.00	494	19.5	12.4	45	12	14	1.2E-04
07.39.10	462	19.6	13.9	48	10	15	1.3E-04
07.39.20	428	19.8	14.4	45	10	15	1.3E-04

TABLE 36. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
07.39.30	392	20.1	14.6	47	12	16	1.3E-04
07.39.40	361	20.4	15.1	48	13	16	1.4E-04
07.39.50	332	20.6	15.4	46	12	17	1.4E-04
07.40.00	303	20.9	15.4	51	11	16	1.4E-04
07.40.10	275	21.1	15.5	47	12	16	1.4E-04
07.40.20	244	21.3	15.6	48	9	15	1.4E-04
07.40.30	209	21.7	15.4	46	12	11	1.4E-04
07.40.40	184	21.9	15.7	44	10	11	1.4E-04
07.40.50	172	22.0	16.0	48	10	14	1.4E-04
07.41.00	163	22.0	15.8	47	12	17	1.4E-04
07.41.10	152	22.1	15.6	47	11	15	1.4E-04

TABLE 37 - SWAMP EXPERIMENT, AUGUST 15, 1979: LEG B TO D

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
07.41.10	152	22.1	15.6	47	11	15	1.4E-04
07.41.20	150	22.0	15.6	48	14	18	1.4E-04
07.41.30	146	22.0	15.6	48	12	17	1.4E-04
07.41.40	145	22.0	15.6	48	12	16	1.4E-04
07.41.50	143	22.0	15.2	46	10	15	1.4E-04
07.42.00	141	22.0	15.2	46	11	15	1.4E-04
07.42.10	139	22.1	15.2	46	12	16	1.4E-04
07.42.20	135	22.1	15.4	46	11	17	1.4E-04
07.42.30	144	22.1	15.5	47	13	14	1.4E-04
07.42.40	156	22.0	15.4	46	11	15	1.4E-04
07.42.50	154	22.0	14.6	47	11	15	1.3E-04
07.43.00	146	22.1	14.6	47	12	17	1.4E-04
07.43.10	141	22.2	14.6	48	13	17	1.4E-04
07.43.20	139	22.2	14.7	45	12	16	1.4E-04
07.43.30	135	22.2	14.7	45	11	16	1.4E-04
07.43.40	130	22.3	14.1	47	13	17	1.4E-04
07.43.50	125	22.3	14.9	47	13	16	1.4E-04
07.44.00	123	22.3	15.3	47	13	18	1.4E-04
07.44.10	121	22.3	15.2	47	12	16	1.4E-04
07.44.20	114	22.4	15.1	49	12	14	1.4E-04
07.44.30	126	22.3	15.0	49	11	15	1.4E-04
07.44.40	135	22.2	15.2	48	10	15	1.4E-04
07.44.50	135	22.2	15.4	49	10	15	1.4E-04
07.45.00	130	22.3	15.2	48	10	16	1.4E-04
07.45.10	130	22.3	14.9	47	12	16	1.4E-04
07.45.20	132	22.4	14.4	47	12	17	1.4E-04
07.45.30	130	22.5	14.0	45	12	17	1.3E-04
07.45.40	135	22.4	14.7	49	12	15	1.3E-04
07.45.50	154	22.1	14.8	45	10	14	1.3E-04
07.46.00	172	21.9	14.3	48	10	16	1.3E-04
07.46.10	191	21.8	14.3	48	10	16	1.3E-04
07.46.20	204	21.6	14.5	49	11	15	1.3E-04
07.46.30	216	21.5	14.1	48	13	13	1.3E-04
07.46.40	237	21.4	14.5	48	13	14	1.3E-04
07.46.50	268	21.1	14.6	46	13	16	1.3E-04
07.47.00	304	20.7	14.5	49	12	17	1.3E-04
07.47.10	337	20.4	14.4	48	12	20	1.3E-04
07.47.20	368	20.1	14.7	50	14	20	1.3E-04
07.47.30	396	19.8	14.3	50	13	20	1.3E-04
07.47.40	422	19.6	13.5	47	12	19	1.3E-04
07.47.50	448	19.4	13.4	47	12	20	1.3E-04
07.48.00	474	19.0	13.9	50	11	18	1.3E-04

TABLE 37. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
07.48.10	497	18.8	13.9	49	12	15	1.3E-04
07.48.20	523	18.5	14.1	49	11	14	1.2E-04
07.48.30	553	18.5	13.0	49	9	13	1.3E-04
07.48.40	584	18.9	9.1	47	9	13	1.0E-04
07.48.50	612	18.9	7.8	50	10	13	9.1E-05
07.49.00	642	18.8	7.6	54	11	13	9.0E-05
07.49.10	669	18.7	7.8	58	11	13	8.9E-05
07.49.20	696	18.5	8.0	58	10	15	9.3E-05
07.49.30	720	18.2	7.8	57	11	14	9.0E-05
07.49.40	745	18.0	8.1	57	12	12	9.5E-05
07.49.50	771	17.8	8.0	58	10	13	9.5E-05
07.50.00	797	17.6	7.4	55	12	13	8.6E-05
07.50.10	823	17.3	7.9	55	14	13	9.1E-05
07.50.20	848	17.1	7.9	60	12	13	9.4E-05
07.50.30	874	16.8	7.7	58	14	15	9.5E-05
07.50.40	900	16.8	7.1	58	10	15	8.5E-05
07.50.50	928	16.7	8.4	57	11	13	8.7E-05
07.51.00	960	16.6	10.1	61	11	13	1.1E-04
07.51.10	995	16.2	11.4	63	10	14	1.3E-04
07.51.20	1027	15.9	11.9	63	11	14	1.4E-04
07.51.30	1055	15.7	12.3	60	11	15	1.5E-04
07.51.40	1082	15.4	13.4	63	14	16	1.6E-04
07.51.50	1109	15.6	13.4	60	12	15	1.8E-04
07.52.00	1135	16.0	12.7	59	10	15	1.9E-04
07.52.10	1162	16.0	12.3	57	11	17	1.9E-04
07.52.20	1190	16.1	11.6	59	12	17	1.9E-04
07.52.30	1218	16.2	10.9	61	11	15	2.1E-04
07.52.40	1244	16.1	10.5	64	13	16	2.1E-04
07.52.50	1271	15.8	10.4	67	13	17	2.1E-04
07.53.00	1298	15.7	10.3	74	11	15	2.1E-04
07.53.10	1317	15.5	10.3	69	12	14	2.1E-04
07.53.20	1336	15.4	10.2	70	10	14	2.1E-04
07.53.30	1355	15.2	10.2	70	9	14	2.1E-04
07.53.40	1377	15.0	10.2	68	11	16	2.1E-04
07.53.50	1402	14.8	10.1	67	12	15	2.1E-04
07.54.00	1432	14.5	10.1	65	14	15	2.0E-04
07.54.10	1463	14.2	10.0	67	12	15	2.0E-04
07.54.20	1495	13.9	9.9	67	12	13	2.0E-04
07.54.30	1524	13.7	9.8	67	11	12	2.0E-04
07.54.40	1549	13.7	9.5	68	13	13	1.9E-04
07.54.50	1574	13.7	9.3	66	13	12	1.9E-04
07.55.00	1599	13.6	9.1	67	11	12	1.8E-04

TABLE 37. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
07.55.10	1624	13.3	9.2	70	12	12	1.8E-04
07.55.20	1628	13.2	9.2	69	12	11	1.8E-04
07.55.30	1610	13.4	9.3	69	13	11	1.8E-04
07.55.40	1613	13.5	9.2	68	11	12	1.9E-04
07.55.50	1619	13.4	9.2	67	11	13	1.8E-04
07.56.00	1616	13.5	9.3	69	11	12	1.9E-04
07.56.10	1614	13.5	9.3	68	11	11	1.9E-04
07.56.20	1615	13.5	9.3	69	12	11	1.9E-04
07.56.30	1616	13.7	9.3	67	12	11	1.8E-04
07.56.40	1613	13.8	9.3	70	12	12	1.8E-04
07.56.50	1610	13.7	9.3	69	11	14	1.8E-04
07.57.00	1612	13.6	9.3	69	11	14	1.9E-04



TABLE 38 - SWAMP EXPERIMENT, AUGUST 15, 1979: LOCATION D SPIRAL DATA

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
07.57.00	1612	13.6	9.3	69	11	14	1.9E-04
07.57.10	1613	13.5	9.5	69	12	13	1.9E-04
07.57.20	1611	13.4	9.3	68	11	11	1.9E-04
07.57.30	1609	13.4	9.5	70	12	11	2.0E-04
07.57.40	1612	13.2	9.5	69	12	12	1.9E-04
07.57.50	1589	13.4	9.4	69	10	11	1.9E-04
07.58.00	1552	13.8	9.4	69	11	12	2.0E-04
07.58.10	1519	14.2	9.6	69	11	13	2.0E-04
07.58.20	1489	14.5	9.8	69	12	13	2.1E-04
07.58.30	1464	14.7	10.0	70	10	13	2.0E-04
07.58.40	1438	14.8	10.2	71	11	13	2.0E-04
07.58.50	1396	15.3	10.4	70	9	13	2.0E-04
07.59.00	1356	15.6	10.6	68	11	10	2.0E-04
07.59.10	1324	15.7	11.0	65	14	10	1.9E-04
07.59.20	1291	15.8	11.2	65	15	10	2.0E-04
07.59.30	1256	15.9	11.4	67	11	11	2.0E-04
07.59.40	1219	16.1	11.5	66	13	14	2.0E-04
07.59.50	1182	16.3	11.9	65	10	15	2.0E-04
08.00.00	1146	16.4	12.4	65	11	14	1.9E-04
08.00.10	1106	16.6	13.1	65	12	14	1.9E-04
08.00.20	1068	16.4	14.2	62	11	14	1.9E-04
08.00.30	1032	16.4	14.6	63	11	14	1.9E-04
08.00.40	995	16.5	12.6	60	12	14	1.6E-04
08.00.50	958	16.6	12.3	57	13	14	1.4E-04
08.01.00	916	16.6	12.7	56	16	14	1.3E-04
08.01.10	870	16.7	13.6	60	13	13	1.3E-04
08.01.20	822	17.1	13.0	55	12	15	1.2E-04
08.01.30	781	17.4	11.7	55	12	17	1.1E-04
08.01.40	747	17.4	13.3	49	9	16	1.1E-04
08.01.50	720	17.6	13.6	52	11	16	1.1E-04
08.02.00	692	17.9	12.9	54	14	17	1.1E-04
08.02.10	669	18.1	12.6	53	15	17	1.1E-04
08.02.20	649	18.0	14.6	53	14	17	1.3E-04
08.02.30	625	18.1	14.9	54	12	16	1.3E-04
08.02.40	592	18.3	15.0	52	10	16	1.4E-04
08.02.50	556	18.7	14.5	48	11	15	1.3E-04
08.03.00	515	19.1	15.1	51	13	16	1.3E-04
08.03.10	474	19.5	15.2	51	13	17	1.4E-04
08.03.20	434	19.8	15.8	53	10	16	1.3E-04
08.03.30	397	20.3	15.2	50	13	14	1.3E-04
08.03.40	364	20.6	15.4	48	12	13	1.3E-04
08.03.50	333	20.9	15.4	48	11	12	1.3E-04

TABLE 38. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.04.00	295	21.3	15.9	50	11	14	1.3E-04
08.04.10	259	21.5	16.3	51	13	17	1.3E-04
08.04.20	229	21.9	15.9	52	14	16	1.3E-04
08.04.30	208	22.0	16.1	40	14	19	1.3E-04
08.04.40	186	22.3	15.6	51	14	22	1.3E-04
08.04.50	163	22.5	15.5	50	11	19	1.3E-04
08.05.00	140	22.7	15.5	51	14	17	1.4E-04
08.05.10	136	22.6	15.6	51	12	14	1.3E-04
08.05.20	139	22.5	15.4	51	12	14	1.4E-04
08.05.30	141	22.3	15.6	50	12	12	1.4E-04

TABLE 39. - SWAMP EXPERIMENT, AUGUST 15, 1979: LEG D TO LD WITH SPIRALS

## A. Leg D to NCC

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.05.30	141	22.3	15.6	50	12	12	1.4E-04
08.05.40	140	22.3	15.2	51	12	10	1.4E-04
08.05.50	143	22.1	16.0	50	13	12	1.4E-04
08.06.00	146	22.0	16.4	49	10	13	1.4E-04
08.06.10	148	22.0	16.4	52	12	13	1.4E-04
08.06.20	145	22.1	16.2	53	11	14	1.4E-04
08.06.30	142	22.2	16.3	51	12	14	1.4E-04
08.06.40	143	22.3	15.9	50	11	13	1.4E-04
08.06.50	142	22.4	15.7	51	9	13	1.3E-04
08.07.00	143	22.3	16.1	52	11	13	1.3E-04
08.07.10	142	22.4	15.6	51	13	12	1.3E-04
08.07.20	142	22.4	15.8	52	14	12	1.3E-04
08.07.30	142	22.5	15.5	49	12	13	1.3E-04
08.07.40	141	22.5	15.5	54	14	12	1.3E-04
08.07.50	141	22.5	16.0	47	13	12	1.3E-04
08.08.00	141	22.5	16.0	49	14	14	1.3E-04
08.08.10	141	22.5	16.3	50	11	16	1.3E-04
08.08.20	140	22.5	16.1	52	11	17	1.3E-04
08.08.30	139	22.5	16.5	50	12	16	1.3E-04
08.08.40	141	22.5	16.5	47	9	16	1.3E-04
08.08.50	139	22.5	17.1	49	9	13	1.3E-04
08.09.00	141	22.5	17.1	49	12	14	1.3E-04
08.09.10	139	22.5	17.2	49	13	15	1.3E-04
08.09.20	139	22.4	17.2	48	14	16	1.3E-04
08.09.30	141	22.4	16.8	49	13	16	1.3E-04
08.09.40	140	22.4	17.1	48	11	15	1.4E-04
08.09.50	141	22.3	17.6	49	11	13	1.4E-04
08.10.00	139	22.3	17.7	48	11	12	1.5E-04
08.10.10	140	22.3	17.2	51	10	14	1.4E-04
08.10.20	140	22.4	16.8	48	11	15	1.4E-04
08.10.30	141	22.4	16.7	47	12	15	1.4E-04
08.10.40	139	22.5	16.4	49	11	15	1.3E-04
08.10.50	139	22.4	16.4	47	12	16	1.3E-04
08.11.00	139	22.4	16.5	48	14	16	1.3E-04
08.11.10	140	22.3	16.7	49	13	15	1.3E-04
08.11.20	141	22.1	17.0	47	13	15	1.4E-04
08.11.30	139	22.2	17.0	48	14	15	1.4E-04
08.11.40	141	22.2	16.6	47	14	17	1.4E-04
08.11.50	142	22.0	17.1	46	13	18	1.4E-04
08.12.00	138	22.0	16.8	46	13	18	1.4E-04
08.12.10	146	22.0	16.8	45	12	16	1.4E-04
08.12.20	161	21.9	16.4	45	10	17	1.4E-04

TABLE 39. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.12.30	169	21.8	16.3	44	11	20	1.3E-04
08.12.40	186	21.5	16.4	46	12	20	1.4E-04
08.12.50	200	21.3	16.3	48	12	20	1.4E-04
08.13.00	212	21.1	16.3	49	11	18	1.4E-04
08.13.10	222	21.0	16.4	43	12	18	1.4E-04
08.13.20	227	21.0	16.2	43	13	17	1.4E-04
08.13.30	235	21.0	16.1	45	15	17	1.3E-04
08.13.40	243	20.9	16.2	45	15	16	1.3E-04
08.13.50	253	20.8	16.3	46	13	15	1.4E-04
08.14.00	260	20.5	16.8	46	13	16	1.4E-04
08.14.10	268	20.5	16.5	43	13	17	1.4E-04
08.14.20	271	20.6	16.3	43	12	17	1.3E-04
08.14.30	274	20.6	16.2	44	12	18	1.3E-04
08.14.40	286	20.7	16.0	44	11	16	1.3E-04
08.14.50	297	20.6	15.8	43	14	16	1.3E-04
08.15.00	306	20.5	15.7	45	13	16	1.3E-04
08.15.10	316	20.5	15.3	46	13	18	1.2E-04
08.15.20	325	20.5	15.0	46	13	18	1.2E-04
08.15.30	334	20.4	15.0	48	14	20	1.2E-04
08.15.40	341	20.3	15.0	46	13	20	1.2E-04
08.15.50	347	20.2	15.0	49	13	18	1.2E-04
08.16.00	356	20.2	14.6	49	13	20	1.2E-04
08.16.10	365	20.1	14.6	47	12	20	1.2E-04
08.16.20	371	20.0	14.6	47	12	20	1.2E-04
08.16.30	376	20.0	14.7	49	16	19	1.2E-04
08.16.40	385	19.9	14.8	48	14	19	1.2E-04
08.16.50	389	19.8	14.8	45	10	18	1.2E-04
08.17.00	396	19.8	14.8	46	11	19	1.2E-04
08.17.10	403	19.7	14.9	49	13	20	1.2E-04
08.17.20	407	19.7	15.0	48	12	19	1.2E-04
08.17.30	415	19.6	15.2	47	13	20	1.2E-04
08.17.40	422	19.6	15.3	48	11	19	1.2E-04
08.17.50	433	19.5	15.1	46	11	16	1.2E-04
08.18.00	443	19.3	15.1	49	13	16	1.2E-04
08.18.10	451	19.2	15.0	46	11	15	1.2E-04
08.18.20	448	19.2	15.0	45	9	17	1.2E-04
08.18.30	444	19.3	14.9	44	11	21	1.2E-04
08.18.40	445	19.3	14.8	45	15	20	1.2E-04
08.18.50	444	19.3	15.0	43	13	21	1.2E-04
08.19.00	443	19.4	15.0	44	14	19	1.2E-04
08.19.10	442	19.5	14.9	46	14	19	1.2E-04
08.19.20	444	19.5	14.8	45	16	21	1.2E-04

TABLE 39. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.19.30	445	19.5	14.9	43	15	22	1.2E-04
08.19.40	445	19.5	15.2	48	12	20	1.2E-04
08.19.50	446	19.5	15.1	44	13	19	1.2E-04

## B. Spiral at NCC

08.22.20	426	19.5	15.0	47	14	15	1.3E-04
08.22.30	399	19.6	14.8	45	13	15	1.2E-04
08.22.40	372	19.8	14.7	46	15	14	1.2E-04
08.22.50	347	20.0	14.6	48	13	14	1.3E-04
08.23.00	318	20.2	14.6	45	13	14	1.3E-04
08.23.10	288	20.4	14.6	47	12	15	1.2E-04
08.23.20	259	20.6	14.7	44	12	16	1.3E-04
08.23.30	227	20.8	14.8	41	15	17	1.3E-04
08.23.40	198	21.0	15.0	42	13	16	1.3E-04
08.23.50	174	21.1	15.2	44	14	19	1.4E-04
08.24.00	173	21.2	15.2	39	14	21	1.5E-04
08.24.10	211	20.8	15.0	36	12	20	1.4E-04
08.24.20	257	20.4	14.8	40	12	21	1.4E-04
08.24.30	293	20.1	14.7	38	12	20	1.3E-04
08.24.40	324	19.8	14.6	41	15	21	1.3E-04
08.24.50	352	19.6	14.5	42	11	21	1.3E-04
08.25.00	378	19.4	14.6	41	14	22	1.3E-04
08.25.10	396	19.3	14.6	44	12	21	1.3E-04
08.25.20	417	19.2	14.6	47	10	19	1.2E-04
08.25.30	442	18.9	14.5	45	9	16	1.3E-04
08.25.40	466	18.8	14.6	44	12	16	1.3E-04
08.25.50	485	18.7	14.6	44	13	19	1.2E-04
08.26.00	501	18.6	14.6	43	13	17	1.2E-04
08.26.10	518	18.7	14.5	44	13	17	1.2E-04
08.26.20	536	18.6	14.7	46	10	17	1.2E-04
08.26.30	554	18.5	14.7	46	11	18	1.2E-04
08.26.40	576	18.5	14.5	45	14	18	1.2E-04
08.26.50	602	18.2	14.2	49	11	19	1.2E-04
08.27.00	636	18.3	12.0	46	11	17	1.1E-04
08.27.10	674	18.2	10.0	49	12	18	9.3E-05
08.27.20	710	18.1	7.4	47	12	20	7.6E-05
08.27.30	738	17.9	6.9	48	12	17	7.2E-05
08.27.40	759	17.8	6.9	53	12	15	6.7E-05
08.27.50	777	17.8	5.7	52	13	16	6.2E-05
08.28.00	793	17.8	5.8	55	14	15	6.6E-05
08.28.10	811	17.7	6.2	52	11	15	6.6E-05

TABLE 39. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.28.20	837	17.5	6.2	56	13	15	6.4E-05
08.28.30	870	17.2	6.4	54	12	14	6.9E-05
08.28.40	900	17.0	6.3	54	14	14	6.8E-05
08.28.50	924	16.8	6.0	54	13	15	6.9E-05
08.29.00	942	16.7	5.9	54	13	14	7.0E-05
08.29.10	965	16.6	6.0	53	12	11	7.3E-05
08.29.20	990	16.5	7.2	56	11	11	8.2E-05
08.29.30	1015	16.3	8.5	57	9	12	1.0E-04
08.29.40	1038	16.1	9.8	57	11	13	1.2E-04
08.29.50	1062	15.9	10.4	54	14	11	1.3E-04
08.30.00	1073	15.8	10.7	56	14	10	1.3E-04
08.30.10	1099	15.7	10.8	61	11	11	1.4E-04
08.30.20	1118	15.6	10.9	55	14	12	1.4E-04
08.30.30	1135	15.5	10.1	48	16	15	1.5E-04
08.30.40	1153	15.4	10.9	56	11	13	1.5E-04
08.30.50	1175	15.3	11.0	58	14	14	1.6E-04
08.31.00	1197	15.1	11.1	60	12	12	1.7E-04
08.31.10	1220	14.9	11.4	60	12	12	1.9E-04
08.31.20	1242	14.6	11.7	61	10	11	1.9E-04
08.31.30	1265	14.4	11.7	60	11	11	1.9E-04
08.31.40	1290	14.3	11.6	60	11	11	1.9E-04
08.31.50	1311	14.1	11.7	62	10	13	2.0E-04
08.32.00	1330	13.9	11.5	62	13	16	2.0E-04
08.32.10	1354	13.7	11.6	62	13	16	1.9E-04
08.32.20	1380	13.5	11.6	60	13	14	2.0E-04
08.32.30	1405	13.3	11.5	61	15	14	1.9E-04
08.32.40	1431	13.2	11.5	64	14	13	2.0E-04
08.32.50	1455	13.1	11.5	63	14	14	1.9E-04
08.33.00	1477	13.0	11.4	67	13	16	1.9E-04
08.33.10	1503	12.7	11.3	65	14	18	1.9E-04
08.33.20	1545	12.3	11.2	62	12	15	1.9E-04
08.33.30	1580	12.0	11.0	62	8	13	1.9E-04
08.33.40	1580	12.1	10.9	63	11	14	1.8E-04
08.33.50	1524	12.8	11.2	68	14	14	1.9E-04
08.34.00	1469	13.4	11.4	65	12	13	1.9E-04
08.34.10	1427	13.7	11.5	67	12	13	2.0E-04
08.34.20	1385	13.7	11.5	63	13	14	1.9E-04
08.34.30	1324	14.2	11.6	60	12	16	1.9E-04
08.34.40	1266	14.7	11.7	61	13	17	1.9E-04
08.34.50	1216	15.2	11.5	61	14	17	1.9E-04
08.35.00	1170	15.6	11.3	61	14	15	1.7E-04
08.35.10	1122	15.9	11.2	60	14	14	1.6E-04

TABLE 39. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.35.20	1074	16.3	10.9	57	10	16	1.5E-04
08.35.30	1030	16.5	9.2	61	12	15	1.3E-04
08.35.40	987	16.6	6.7	59	9	15	9.7E-05
08.35.50	945	16.8	4.9	59	10	15	7.5E-05
08.36.00	905	17.2	4.9	52	12	17	7.3E-05
08.36.10	870	17.5	5.1	52	12	15	6.9E-05
08.36.20	834	17.7	5.6	54	12	15	6.8E-05
08.36.30	797	18.0	6.1	51	13	14	7.6E-05
08.36.40	767	18.1	6.3	53	14	17	7.4E-05
08.36.50	732	18.3	7.7	55	16	18	7.4E-05
08.37.00	693	18.2	11.3	52	13	16	9.3E-05
08.37.10	655	18.0	13.9	47	14	13	1.1E-04
08.37.20	615	18.2	14.3	49	11	15	1.1E-04
08.37.30	573	18.5	14.6	48	13	15	1.2E-04
08.37.40	530	18.9	14.7	42	12	14	1.2E-04
08.37.50	484	19.2	14.7	45	15	14	1.2E-04
08.38.00	444	19.4	14.7	43	13	14	1.2E-04
08.38.10	389	19.9	14.6	44	12	16	1.2E-04
08.38.20	347	20.3	14.6	46	11	16	1.2E-04
08.38.30	298	20.7	14.6	44	11	17	1.3E-04
08.38.40	289	20.5	14.6	43	11	17	1.3E-04
08.38.50	271	20.4	14.6	45	10	18	1.3E-04
08.39.00	253	20.5	14.7	44	12	19	1.4E-04
08.39.10	224	20.7	14.9	37	13	18	1.5E-04
08.39.20	202	20.6	15.0	41	13	19	1.6E-04
08.39.30	189	20.6	15.0	40	13	21	1.6E-04
08.39.40	170	20.7	15.0	36	12	24	1.5E-04

## C. Leg NCC to LD

08.39.50	159	20.7	15.1	33	11	27	1.5E-04
08.40.00	150	20.7	15.0	38	9	24	1.5E-04
08.40.10	141	20.6	15.1	37	10	21	1.5E-04
08.40.20	121	20.6	15.2	37	12	19	1.5E-04
08.40.30	120	20.5	15.3	36	13	21	1.5E-04
08.40.40	128	20.6	15.2	33	13	21	1.5E-04
08.40.50	125	20.6	15.1	35	13	22	1.5E-04
08.41.00	122	20.6	15.2	36	14	22	1.6E-04
08.41.10	125	20.7	15.1	36	13	21	1.5E-04
08.41.20	124	20.8	15.0	36	16	22	1.5E-04
08.41.30	123	20.7	15.2	36	15	22	1.6E-04
08.41.40	122	20.7	15.0	36	14	22	1.5E-04

TABLE 39. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.41.50	122	20.8	14.8	36	12	22	1.5E-04
08.42.00	121	20.7	15.0	34	13	20	1.5E-04
08.42.10	122	20.7	15.2	34	15	21	1.5E-04
08.42.20	121	20.7	15.2	34	13	19	1.5E-04
08.42.30	121	20.8	15.0	37	14	18	1.5E-04
08.42.40	122	20.9	14.9	36	12	22	1.6E-04
08.42.50	121	21.1	14.5	36	12	22	1.5E-04
08.43.00	122	20.9	15.0	36	11	21	1.5E-04
08.43.10	121	20.8	15.2	38	12	19	1.5E-04
08.43.20	129	20.8	15.2	39	13	20	1.4E-04
08.43.30	159	20.6	15.0	36	12	20	1.5E-04
08.43.40	196	20.6	14.1	34	11	19	1.4E-04
08.43.50	238	20.3	14.0	38	9	21	1.4E-04
08.44.00	275	19.9	13.9	37	10	21	1.4E-04

## D. Spiral at LD

08.44.10	301	19.6	13.9	40	12	20	1.4E-04
08.44.20	320	19.5	14.0	41	13	19	1.4E-04
08.44.30	350	19.2	13.7	44	12	19	1.4E-04
08.44.40	382	18.9	13.7	40	12	18	1.3E-04
08.44.50	410	18.7	13.0	42	10	16	1.3E-04
08.45.00	436	18.5	12.4	40	12	16	1.3E-04
08.45.10	464	18.5	11.5	42	10	15	1.2E-04
08.45.20	494	18.6	9.8	42	11	15	1.1E-04
08.45.30	522	18.6	8.8	45	14	14	1.0E-04
08.45.40	552	18.4	8.3	47	14	14	9.7E-05
08.45.50	578	18.2	8.1	47	15	16	9.7E-05
08.46.00	602	18.1	7.9	44	10	14	9.5E-05
08.46.10	624	18.1	7.3	46	9	14	9.2E-05
08.46.20	648	17.9	6.9	46	12	14	8.9E-05
08.46.30	677	17.7	6.6	42	12	16	8.7E-05
08.46.40	705	17.4	6.5	45	10	16	8.6E-05
08.46.50	734	17.3	5.7	46	10	16	7.8E-05
08.47.00	761	17.1	5.0	46	9	16	7.4E-05
08.47.10	790	17.0	4.6	51	12	18	6.8E-05
08.47.20	817	16.8	4.4	52	14	18	6.7E-05
08.47.30	843	16.7	4.2	50	14	18	6.5E-05
08.47.40	872	16.6	3.9	50	14	18	6.0E-05
08.47.50	901	16.4	4.4	48	14	17	6.2E-05
08.48.00	931	16.3	6.0	52	13	15	7.6E-05
08.48.10	965	16.3	9.1	52	10	14	9.9E-05



TABLE 39. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
08.48.20	1000	16.0	9.7	54	8	10	1.1E-04
08.48.30	1033	15.7	9.7	52	9	11	1.1E-04
08.48.40	1063	15.5	9.8	57	10	10	1.1E-04
08.48.50	1091	15.4	10.3	56	11	12	1.1E-04
08.49.00	1117	15.2	11.3	57	13	14	1.5E-04
08.49.10	1142	15.0	11.8	54	13	14	1.7E-04
08.49.20	1172	14.7	12.1	58	13	15	1.8E-04
08.49.30	1203	14.4	12.1	61	13	15	2.0E-04
08.49.40	1233	14.2	12.1	59	13	13	2.0E-04
08.49.50	1264	14.0	11.9	58	12	13	2.0E-04
08.50.00	1297	13.8	11.9	60	11	13	2.0E-04
08.50.10	1328	13.7	11.7	59	11	11	2.1E-04
08.50.20	1354	13.8	11.6	61	11	11	2.0E-04
08.50.30	1374	13.8	11.6	59	12	11	1.9E-04
08.50.40	1392	13.8	11.5	60	12	9	1.9E-04
08.50.50	1409	13.7	11.5	61	13	11	1.9E-04
08.51.00	1428	13.7	11.5	63	14	12	1.9E-04
08.51.10	1456	13.4	11.4	65	12	13	1.9E-04
08.51.20	1482	13.2	11.4	62	10	13	1.9E-04
08.51.30	1506	13.1	11.3	64	15	14	1.9E-04
08.51.40	1532	13.0	11.3	63	13	14	1.9E-04
08.51.50	1557	12.9	11.3	63	10	16	1.8E-04
08.52.00	1576	12.8	11.0	67	9	16	1.7E-04
08.52.10	1594	12.9	10.1	65	11	15	1.6E-04
08.52.20	1597	13.1	9.7	64	11	15	1.5E-04
08.52.30	1596	13.3	11.2	63	11	16	1.4E-04
08.52.40	1592	13.3	9.7	64	10	13	1.5E-04

TABLE 40 - AIRCRAFT 1 AND 3 COMPARISON FLIGHT, AUGUST 15, 1979

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.19.40	1574	11.0	-9.2	56	15	18	3.3E-05
10.19.50	1573	11.1	-9.9	55	14	16	2.9E-05
10.20.00	1573	11.5	-8.5	57	13	16	3.3E-05
10.20.10	1576	11.5	-1.0	59	15	14	4.1E-05
10.20.20	1579	11.5	-7.5	59	13	14	2.8E-05
10.20.30	1569	11.5	-11.1	60	14	15	2.8E-05
10.20.40	1568	11.3	-10.9	58	14	14	2.6E-05
10.20.50	1570	11.0	-11.2	57	14	15	2.8E-05
10.21.00	1568	11.4	-11.2	58	15	14	2.3E-05
10.21.10	1572	11.8	-10.3	56	14	13	3.0E-05
10.21.20	1572	11.7	-11.1	52	14	14	2.5E-05
10.21.30	1567	11.5	-11.8	58	15	16	2.8E-05
10.21.40	1569	11.6	-11.4	58	14	15	2.6E-05
10.21.50	1569	11.7	-10.7	56	14	14	2.6E-05
10.22.00	1573	11.7	-11.3	55	15	13	2.5E-05
10.22.10	1569	11.6	-11.8	58	16	12	2.4E-05
10.22.20	1568	11.6	-12.0	57	15	11	2.8E-05
10.22.30	1570	11.7	-12.3	56	15	12	2.5E-05
10.22.40	1570	11.8	-12.8	57	14	13	2.1E-05
10.22.50	1571	12.0	-12.6	51	13	15	2.5E-05
10.23.00	1576	12.1	-13.9	54	11	14	2.6E-05
10.23.10	1577	11.8	-13.7	61	14	16	2.6E-05
10.23.20	1566	11.8	-12.6	60	15	14	2.2E-05
10.23.30	1566	11.6	-12.8	58	14	15	2.0E-05
10.23.40	1570	11.9	-13.0	53	14	14	1.8E-05
10.23.50	1572	12.1	-13.3	51	15	13	2.1E-05
10.24.00	1573	12.2	-14.6	51	16	12	2.5E-05
10.24.10	1578	12.1	-14.7	52	15	13	2.6E-05
10.24.20	1572	12.2	-15.4	56	16	15	2.4E-05
10.24.30	1572	12.3	-15.3	57	13	14	2.4E-05
10.24.40	1577	12.2	-15.9	59	14	15	2.3E-05
10.24.50	1572	12.1	-17.2	57	15	15	1.6E-05
10.25.00	1570	11.9	-13.5	58	15	16	1.6E-05
10.25.10	1573	11.6	-12.2	57	14	15	1.7E-05
10.25.20	1574	11.7	-12.3	49	14	13	1.9E-05
10.25.30	1574	11.7	-12.5	47	14	11	1.6E-05
10.25.40	1572	11.7	-12.7	45	14	10	1.8E-05
10.25.50	1574	11.8	-13.3	48	15	12	1.8E-05
10.26.00	1573	11.9	-13.7	48	15	12	1.7E-05
10.26.10	1574	11.8	-13.2	48	15	15	1.8E-05
10.26.20	1573	11.9	-13.2	45	14	15	1.7E-05
10.26.30	1572	11.8	-13.0	46	14	15	1.8E-05

TABLE 40. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.26.40	1574	11.9	-13.1	48	14	15	2.1E-05
10.26.50	1573	11.9	-12.9	48	16	15	1.8E-05
10.27.00	1572	11.9	-12.6	48	14	14	1.8E-05
10.27.10	1570	12.1	-13.5	45	15	14	1.7E-05
10.27.20	1575	12.1	-14.1	47	16	15	1.9E-05
10.27.30	1569	12.1	-12.6	45	14	16	1.7E-05
S 10.27.40	1550	12.2	-13.2	48	14	16	1.3E-05
10.27.50	1514	12.5	-12.8	47	15	14	1.4E-05
10.28.00	1485	12.8	-12.7	46	15	15	1.7E-05
10.28.10	1456	12.8	-13.8	48	14	14	1.7E-05
10.28.20	1422	12.7	-15.7	50	14	14	1.7E-05
10.28.30	1385	10.2	-9.3	49	12	15	2.2E-05
10.28.40	1346	9.7	1.0	50	12	13	3.2E-05
10.28.50	1305	8.6	3.3	54	12	14	4.3E-05
10.29.00	1267	8.8	3.8	50	12	14	4.7E-05
10.29.10	1229	9.2	4.2	50	13	14	4.6E-05
10.29.20	1189	9.2	5.9	48	14	15	5.0E-05
10.29.30	1149	9.4	7.5	51	14	16	5.7E-05
10.29.40	1109	9.7	7.6	46	15	18	5.9E-05
10.29.50	1056	10.2	8.1	48	15	19	5.4E-05
10.30.00	1000	11.0	7.3	46	17	18	5.6E-05
10.30.10	970	11.3	8.2	46	16	18	5.4E-05
10.30.20	975	11.1	8.9	48	16	18	5.7E-05
10.30.30	950	11.1	8.6	47	16	18	5.7E-05
10.30.40	933	11.2	8.6	47	16	19	5.9E-05
10.30.50	914	11.4	8.6	49	17	19	6.1E-05
10.31.00	894	11.5	8.5	47	17	19	5.8E-05
10.31.10	870	11.8	8.5	47	17	20	5.8E-05
10.31.20	833	12.1	7.8	46	16	20	5.7E-05
10.31.30	796	12.4	7.8	47	15	19	5.5E-05
10.31.40	747	12.9	8.1	47	15	18	6.0E-05
10.31.50	709	13.2	8.6	48	14	19	6.0E-05
10.32.00	687	13.4	8.8	48	14	19	5.9E-05
10.32.10	652	13.7	8.5	48	14	19	5.7E-05
10.32.20	620	14.0	8.7	46	16	20	6.1E-05
10.32.30	598	14.3	9.1	45	16	20	6.0E-05
10.32.40	556	14.7	8.7	48	15	18	5.6E-05
10.32.50	514	15.1	8.5	46	16	18	5.9E-05
10.33.00	488	15.3	9.3	47	16	17	6.2E-05
10.33.10	462	15.5	9.3	46	15	17	5.7E-05
10.33.20	434	15.7	9.5	48	16	17	5.8E-05
10.33.30	397	16.0	9.5	47	15	18	6.5E-05

TABLE 40. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.33.40	368	16.4	9.7	47	15	19	5.9E-05
10.33.50	338	16.8	9.7	46	14	19	6.1E-05
10.34.00	330	16.8	9.7	46	17	18	6.2E-05
10.34.10	311	16.9	9.5	46	17	18	6.2E-05
10.34.20	268	17.3	9.1	47	15	18	6.1E-05
10.34.30	228	17.7	9.7	44	16	18	6.1E-05
10.34.40	206	17.9	8.8	41	19	22	5.9E-05
10.34.50	176	18.1	9.5	46	16	20	6.3E-05
10.35.00	138	18.4	9.5	46	17	19	6.5E-05
10.35.10	118	18.8	9.8	45	15	18	6.6E-05
10.35.20	128	18.6	9.7	47	17	17	6.5E-05
10.35.30	169	18.1	9.5	46	14	18	6.3E-05
10.35.40	206	17.7	9.5	46	16	17	6.5E-05
10.35.50	227	17.3	9.4	45	13	17	6.5E-05
10.36.00	257	17.2	9.8	48	14	17	5.8E-05
10.36.10	285	16.9	9.5	46	14	19	6.1E-05
10.36.20	302	16.8	9.8	47	13	19	6.0E-05
10.36.30	334	16.6	10.0	46	12	19	6.1E-05
10.36.40	369	16.2	9.6	47	15	20	6.7E-05
10.36.50	387	16.1	9.6	48	15	20	6.1E-05
10.37.00	417	15.8	9.5	47	14	19	6.3E-05
10.37.10	455	15.4	9.1	46	16	16	6.0E-05
10.37.20	483	15.0	8.7	47	18	15	6.0E-05
10.37.30	512	14.7	8.7	48	16	17	6.2E-05
10.37.40	533	14.4	8.6	48	17	18	6.0E-05
10.37.50	552	14.2	8.3	47	17	19	5.6E-05
10.38.00	564	14.1	8.1	48	17	18	6.0E-05
10.38.10	571	14.0	8.3	46	15	16	6.1E-05
10.38.20	584	13.9	8.6	47	15	17	6.2E-05
10.38.30	593	13.9	8.4	48	13	16	5.7E-05
10.38.40	604	13.8	8.4	49	14	17	5.8E-05
10.38.50	620	13.8	9.0	45	16	20	6.3E-05
S 10.39.00	609	14.0	9.0	45	15	21	5.8E-05
10.39.10	584	14.3	8.6	46	15	20	5.8E-05
10.39.20	608	14.0	8.8	47	16	20	6.2E-05
10.39.30	620	13.9	9.3	49	17	17	6.3E-05
10.39.40	600	14.1	9.2	50	16	16	6.3E-05
10.39.50	611	14.0	9.3	47	15	16	6.1E-05
10.40.00	598	14.1	9.4	48	15	19	5.9E-05
10.40.10	600	14.1	9.4	47	15	17	5.8E-05
10.40.20	604	14.0	9.2	47	15	16	6.4E-05
10.40.30	597	14.2	9.1	47	15	14	5.7E-05

TABLE 40. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.40.40	606	14.0	8.7	45	14	15	5.9E-05
10.40.50	609	13.9	8.7	48	16	16	5.6E-05
10.41.00	602	14.0	8.7	47	15	18	5.9E-05
10.41.10	603	14.0	9.0	45	15	18	5.8E-05
10.41.20	602	14.0	8.9	47	14	19	5.9E-05
10.41.30	606	13.9	8.9	45	15	18	5.8E-05
10.41.40	612	14.0	9.2	45	15	17	5.9E-05
10.41.50	598	14.2	9.2	49	16	17	6.0E-05
10.42.00	596	14.3	8.6	47	16	15	5.7E-05
10.42.10	608	14.2	8.3	45	14	15	6.0E-05
10.42.20	606	14.1	8.2	45	13	14	5.7E-05
10.42.30	598	14.2	8.1	45	15	16	6.1E-05
10.42.40	605	14.2	7.8	47	15	16	6.0E-05
10.42.50	605	14.2	8.5	45	17	18	6.1E-05
10.43.00	599	14.2	8.5	43	14	17	6.0E-05
10.43.10	600	14.2	8.7	42	14	17	6.5E-05
10.43.20	604	14.2	9.0	46	16	19	6.5E-05
10.43.30	600	14.2	8.8	45	17	18	6.4E-05
10.43.40	600	14.3	9.1	46	16	19	6.4E-05
10.43.50	603	14.4	9.6	48	17	21	6.6E-05
10.44.00	604	14.5	9.5	43	16	19	6.8E-05
10.44.10	591	14.6	9.1	45	15	19	7.0E-05
10.44.20	599	14.5	8.7	43	13	18	6.9E-05
10.44.30	609	14.3	8.9	43	14	19	7.1E-05
10.44.40	605	14.3	9.0	42	14	19	7.0E-05
10.44.50	609	14.4	8.8	43	17	20	6.8E-05
10.45.00	600	14.6	8.6	43	16	19	7.0E-05
10.45.10	597	14.6	8.6	45	15	19	6.9E-05
10.45.20	608	14.4	8.0	42	16	21	6.7E-05
10.45.30	604	14.4	8.0	44	16	22	6.8E-05
10.45.40	607	14.4	8.1	46	15	22	7.4E-05
10.45.50	609	14.3	8.3	43	15	21	7.0E-05
10.46.00	608	14.3	8.2	47	17	21	7.2E-05
10.46.10	606	14.4	8.6	45	17	20	7.0E-05
10.46.20	609	14.4	9.0	47	15	20	7.3E-05
10.46.30	602	14.5	9.0	46	15	19	7.2E-05
10.46.40	604	14.5	8.9	45	14	20	7.4E-05
10.46.50	602	14.5	8.7	43	13	20	7.2E-05
10.47.00	610	14.4	8.7	43	17	20	7.1E-05
10.47.10	608	14.4	9.0	46	17	19	7.4E-05
10.47.20	602	14.5	8.9	45	15	19	7.4E-05
10.47.30	597	14.6	8.8	46	16	20	7.3E-05
10.47.40	611	14.4	8.8	49	17	19	7.3E-05
10.47.50	606	14.4	8.4	47	19	21	7.3E-05
10.48.00	604	14.4	8.4	47	16	19	7.4E-05
10.48.10	606	14.3	8.3	47	16	19	7.1E-05

TABLE 41. - AIRCRAFT 1 AND 2 COMPARISON FLIGHT, AUGUST 20, 1979

## A. Leg AB

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.12.30	1590	15.5	11.9	82	17	19	1.6E-04
11.12.40	1589	15.4	12.1	85	18	19	1.6E-04
11.12.50	1591	15.4	11.8	83	17	19	1.6E-04
11.13.00	1594	15.3	11.8	79	17	19	1.5E-04
11.13.10	1596	15.3	11.9	84	16	19	1.6E-04
11.13.20	1596	15.2	12.3	87	16	19	2.2E-04
11.13.30	1599	15.2	12.4	84	17	19	2.9E-04
11.13.40	1607	15.1	12.4	85	15	19	1.7E-04
11.13.50	1606	15.0	12.8	86	17	17	1.6E-04
11.14.00	1605	14.9	12.8	84	17	18	1.7E-04
11.14.10	1609	15.0	12.9	87	17	18	1.7E-04
11.14.20	1607	14.9	12.7	82	17	17	1.7E-04
11.14.30	1605	14.9	12.8	85	17	17	1.7E-04
11.14.40	1607	14.9	12.6	86	17	17	1.7E-04
11.14.50	1609	14.9	12.8	86	16	15	1.6E-04
11.15.00	1608	14.9	12.9	88	16	14	1.7E-04
11.15.10	1607	14.9	12.8	89	15	14	1.6E-04
11.15.20	1608	15.0	13.0	80	14	15	1.6E-04
11.15.30	1610	15.1	12.9	88	16	16	1.7E-04
11.15.40	1609	15.1	12.6	84	16	17	1.6E-04
11.15.50	1603	15.2	12.6	84	16	17	1.6E-04
11.16.00	1599	15.3	12.7	87	15	17	1.6E-04
11.16.10	1598	15.3	12.8	85	16	18	1.6E-04
11.16.20	1596	15.4	12.8	85	15	18	1.6E-04
11.16.30	1598	15.4	12.8	89	16	19	1.6E-04
11.16.40	1602	15.4	12.7	84	16	19	1.6E-04
11.16.50	1601	15.5	12.5	84	16	18	1.6E-04
11.17.00	1595	15.7	12.4	85	15	17	1.5E-04
11.17.10	1591	15.9	12.3	86	15	18	1.6E-04
11.17.20	1586	16.0	12.3	83	16	18	1.6E-04
11.17.30	1584	15.9	12.4	88	16	17	1.6E-04
11.17.40	1585	15.8	12.4	86	18	18	1.6E-04
11.17.50	1585	15.7	12.4	84	17	18	1.6E-04
11.18.00	1585	15.7	12.4	86	15	17	1.6E-04
11.18.10	1590	15.9	12.2	84	16	17	1.6E-04
11.18.20	1593	15.9	12.2	83	16	17	1.6E-04
11.18.30	1597	16.1	12.0	83	16	18	1.7E-04
11.18.40	1602	15.7	12.3	85	17	18	1.8E-04
11.18.50	1609	15.3	13.0	80	15	17	1.8E-04
11.19.00	1609	15.6	12.5	80	17	17	1.8E-04
11.19.10	1609	15.5	12.5	88	16	17	1.7E-04
11.19.20	1611	15.2	13.0	88	15	17	1.6E-04

TABLE 41. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.19.30	1604	15.0	14.0	86	16	17	1.6E-04
11.19.40	1596	15.3	12.9	83	17	17	1.4E-04
11.19.50	1581	15.4	13.1	85	16	18	1.8E-04
11.20.00	1580	15.2	13.2	88	16	21	1.8E-04
11.20.10	1582	15.2	13.5	84	16	21	1.7E-04
11.20.20	1623	16.4	15.4	85	16	20	1.1E-04
11.20.30	1684	14.6	13.7	80	16	21	1.2E-04
11.20.40	1697	14.6	12.1	86	18	21	1.6E-04
11.20.50	1693	14.8	12.2	89	17	19	1.5E-04
11.21.00	1673	15.1	13.0	88	17	19	1.5E-04
11.21.10	1665	15.4	14.2	87	17	19	1.2E-04
11.21.20	1648	15.5	12.8	83	16	19	1.8E-04
11.21.30	1656	15.7	14.7	86	16	19	1.2E-04
11.21.40	1649	15.5	12.6	86	17	19	1.6E-04
11.21.50	1652	15.7	13.8	89	16	19	1.4E-04
11.22.00	1666	15.3	14.0	88	16	19	1.1E-04

## B. Spiral at B

11.23.00	1567	15.8	13.3	90	17	18	1.6E-04
11.23.10	1514	16.3	13.6	84	16	18	1.6E-04
11.23.20	1480	16.5	13.9	83	15	19	1.6E-04
11.23.30	1462	16.6	13.9	82	17	19	1.7E-04
11.23.40	1441	16.6	13.7	87	17	19	1.7E-04
11.23.50	1425	16.6	13.6	90	16	18	1.8E-04
11.24.00	1396	16.7	13.5	86	15	18	2.0E-04
11.24.10	1323	17.0	14.3	92	16	18	1.9E-04
11.24.20	1264	17.5	15.6	86	16	19	1.6E-04
11.24.30	1273	17.4	16.6	91	16	18	9.3E-05
11.24.40	1229	17.0	15.7	86	16	19	2.0E-04
11.24.50	1170	18.0	15.3	85	16	19	2.0E-04
11.25.00	1116	18.3	15.6	80	16	19	1.8E-04
11.25.10	1101	18.1	16.0	88	17	19	2.1E-04
11.25.20	1084	18.1	15.7	86	15	20	2.2E-04
11.25.30	1061	18.4	15.6	83	14	19	2.1E-04
11.25.40	1043	18.3	16.1	80	15	18	2.4E-04
11.25.50	1016	18.1	16.8	84	17	18	2.3E-04
11.26.00	990	18.7	16.4	87	16	19	2.4E-04
11.26.10	964	18.8	17.4	84	16	19	2.1E-04
11.26.20	927	19.0	17.8	87	16	18	1.2E-04
11.26.30	889	19.1	18.0	87	14	19	1.3E-04
11.26.40	847	19.4	18.2	83	16	21	1.6E-04

TABLE 41. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.26.50	832	20.0	18.4	88	18	19	6.5E-05
11.27.00	813	19.9	18.5	82	17	20	8.1E-05
11.27.10	785	19.7	18.6	85	17	20	1.8E-04
11.27.20	768	19.7	18.6	83	17	19	2.7E-04
11.27.30	743	20.0	18.7	81	16	20	1.7E-04
11.27.40	699	20.2	18.8	84	17	21	2.9E-04
11.27.50	665	20.4	19.0	87	16	22	2.2E-04
11.28.00	635	20.6	19.1	89	16	23	1.5E-04
11.28.10	603	21.1	19.2	86	17	22	7.1E-05
11.28.20	573	21.2	19.4	76	19	22	6.7E-05
11.28.30	527	21.4	19.5	79	18	23	1.5E-04
11.28.40	490	21.8	19.6	78	17	24	9.3E-05
11.28.50	480	21.4	19.8	73	17	24	1.9E-04
11.29.00	424	21.9	19.9	84	17	24	3.0E-04
11.29.10	396	22.2	20.1	82	16	23	2.0E-04
11.29.20	371	22.2	20.3	80	16	23	1.2E-04
11.29.30	354	22.0	20.3	78	16	22	1.0E-04
11.29.40	321	22.5	20.5	80	17	22	2.4E-04
11.29.50	306	22.5	20.6	83	15	21	2.3E-04
11.30.00	278	22.5	20.7	79	16	21	1.6E-04
11.30.10	241	23.3	20.8	74	17	21	2.6E-04
11.30.20	235	23.3	21.0	71	17	22	3.2E-04
11.30.30	225	23.3	21.1	77	17	22	3.2E-04
11.30.40	207	23.1	21.2	80	15	22	3.1E-04
11.30.50	193	22.6	21.3	76	17	21	2.6E-04
11.31.00	184	23.1	21.3	78	19	21	2.9E-04

## C. Leg BA

11.35.00	94	24.3	22.7	77	16	19	3.3E-04
11.35.10	101	24.3	22.7	70	18	18	3.3E-04
11.35.20	113	24.1	22.7	73	19	19	3.2E-04
11.35.30	126	23.3	22.5	71	17	20	2.9E-04
11.35.40	134	23.1	22.5	72	17	21	2.8E-04
11.35.50	145	23.0	22.4	70	18	23	2.9E-04
11.36.00	161	22.9	22.2	76	19	23	2.9E-04
11.36.10	159	22.9	21.7	70	17	23	3.0E-04
11.36.20	152	23.1	21.4	77	17	23	3.2E-04
11.36.30	147	23.1	21.2	80	17	23	2.8E-04
11.36.40	140	22.8	21.1	78	17	25	2.5E-04
11.36.50	141	22.9	21.3	76	17	24	2.2E-04
11.37.00	152	23.3	21.6	69	17	26	2.4E-04



TABLE 41. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.37.10	158	23.5	21.6	78	17	25	2.6E-04
11.37.20	147	23.7	21.6	74	17	26	2.8E-04
11.37.30	130	23.8	21.5	77	17	26	2.9E-04
11.37.40	139	23.4	21.3	75	16	24	2.7E-04
11.37.50	141	23.1	21.3	80	17	23	2.5E-04
11.38.00	139	23.0	21.4	76	18	24	2.5E-04
11.38.10	143	23.3	21.3	81	16	24	2.9E-04
11.38.20	161	23.3	21.5	82	17	24	3.0E-04
11.38.30	154	23.2	21.5	80	17	26	2.9E-04
11.38.40	138	23.8	21.7	80	18	26	3.0E-04
11.38.50	136	24.3	21.7	81	17	26	3.2E-04
11.39.00	145	24.4	21.8	81	17	26	3.2E-04
11.39.10	158	24.6	21.8	81	17	27	3.3E-04
11.39.20	165	24.7	21.8	85	17	28	3.2E-04
11.39.30	177	24.6	21.7	86	18	25	3.2E-04
11.39.40	191	24.3	21.5	89	17	25	3.2E-04
11.39.50	204	24.1	21.2	84	16	25	3.2E-04
11.40.00	193	24.3	21.5	85	17	24	3.2E-04
11.40.10	174	24.5	21.6	85	18	23	3.3E-04
11.40.20	164	24.7	21.7	91	18	22	3.3E-04
11.40.30	149	24.8	21.6	90	17	23	3.4E-04
11.40.40	141	25.0	21.3	92	16	24	3.3E-04
11.40.50	133	25.0	21.6	95	16	24	3.3E-04
11.41.00	124	25.0	21.7	91	16	24	3.3E-04
11.41.10	141	24.9	21.8	85	17	22	3.4E-04
11.41.20	154	24.7	21.5	87	16	24	3.4E-04
11.41.30	151	24.8	21.4	94	18	22	3.4E-04
11.41.40	149	24.8	21.6	94	16	23	3.4E-04
11.41.50	139	24.8	21.2	94	17	24	3.4E-04
11.42.00	135	24.8	21.5	96	17	22	3.5E-04
11.42.10	135	24.8	21.6	95	16	20	3.5E-04
11.42.20	141	24.6	21.7	92	17	21	3.5E-04
11.42.30	142	24.5	21.4	96	17	22	3.5E-04
11.42.40	137	24.4	21.4	102	16	21	3.6E-04
11.42.50	139	24.2	21.7	106	14	21	3.6E-04
11.43.00	145	24.2	21.5	101	15	20	3.5E-04
11.43.10	145	24.0	21.4	106	15	20	3.4E-04
11.43.20	148	24.0	21.5	102	14	20	3.5E-04
11.43.30	145	23.9	21.7	98	14	22	3.3E-04
11.43.40	141	23.8	21.8	101	16	23	3.4E-04
11.43.50	141	23.7	21.6	105	17	24	3.5E-04
11.44.00	143	23.7	21.6	103	18	25	3.5E-04
11.44.10	141	23.6	21.6	100	16	24	3.5E-04
11.44.20	155	23.3	21.6	96	17	23	3.4E-04
11.44.30	169	23.1	21.6	102	16	23	3.3E-04
11.44.40	154	23.3	21.6	108	16	23	3.4E-04
11.44.50	139	23.6	21.7	99	16	22	3.4E-04
11.45.00	136	23.6	21.6	101	16	22	3.4E-04

TABLE 42. - AIRCRAFT 1 AND TETHERED BALLOON COMPARISON FLIGHT AT  
THE NAVY COMMUNICATIONS CENTER, AUGUST 29, 1979

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) <sup>1</sup> (m <sup>-1</sup> )
10.45.50	191	26.4	19.1	40	14	14	8.0E-06
10.46.00	224	26.0	19.1	48	15	15	8.6E-06
10.46.10	251	25.8	18.5	40	14	14	6.8E-06
10.46.20	276	25.6	19.0	42	14	15	8.4E-06
10.46.30	307	25.3	19.0	40	14	14	6.4E-06
10.46.40	330	25.2	18.2	43	13	14	9.0E-06
10.46.50	361	25.0	18.8	41	14	15	1.0E-05
10.47.00	395	24.7	17.6	40	16	15	7.4E-06
10.47.10	418	24.4	18.3	40	15	15	8.8E-06
10.47.20	449	24.0	18.9	39	14	15	9.4E-06
10.47.30	494	23.6	19.2	36	14	16	1.0E-05
10.47.40	529	23.5	17.4	41	13	15	1.5E-05
10.47.50	564	23.1	17.4	47	14	16	1.5E-05
10.48.00	597	22.8	18.1	43	14	17	2.0E-05
10.48.10	627	22.5	18.0	41	12	16	1.9E-05
10.48.20	665	22.1	18.7	42	11	17	2.1E-05
10.48.30	702	21.7	18.2	44	11	16	2.7E-05
10.48.40	726	21.5	18.1	43	13	17	3.2E-05
10.48.50	745	21.9	15.7	44	14	16	2.3E-05
10.49.00	766	22.1	13.5	50	13	16	1.3E-05
10.49.10	797	21.2	18.6	43	12	15	8.4E-06
10.49.20	839	21.0	16.7	41	13	15	7.4E-06
10.49.30	880	20.5	16.5	42	13	16	7.0E-06
10.49.40	914	20.4	14.4	46	13	15	5.2E-06
10.49.50	935	20.5	11.5	45	14	14	1.2E-06
10.50.00	955	20.8	10.5	49	14	13	5.6E-06
10.50.10	977	20.7	9.9	49	14	14	4.2E-06
10.50.20	1002	20.5	9.7	47	13	13	3.8E-06
10.50.30	1030	20.8	6.4	53	13	13	2.2E-06
10.50.40	1056	21.0	4.2	51	13	14	4.0E-06
10.50.50	1088	21.0	4.7	54	13	13	0.0E+00
10.51.00	1115	20.8	3.8	58	13	14	0.0E+00
10.51.10	1142	20.6	4.1	53	14	14	6.3E-04
10.51.20	1167	20.3	5.0	53	14	13	9.9E-04
10.51.30	1190	20.3	5.1	53	11	13	1.3E-04
10.51.40	1211	20.2	4.6	54	12	13	8.0E-07
10.51.50	1234	19.9	5.3	55	13	14	3.0E-06
10.52.00	1263	19.8	5.6	57	11	13	4.0E-07
10.52.10	1289	19.8	4.5	55	12	12	0.0E+00
10.52.20	1313	19.8	2.9	60	12	12	0.0E+00
10.52.30	1340	19.8	2.0	57	13	13	2.0E-07
10.52.40	1367	19.5	2.1	63	14	12	0.0E+00

<sup>1</sup> forest fire was observed to be burning downwind of the sampling area; visible smoke was observed outside of the aircraft and an odor of burning noted inside of the aircraft cabin

TABLE 42. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.52.50	1394	19.4	0.6	61	12	12	0.0E+00
10.53.00	1418	19.2	0.9	63	11	13	0.0E+00
10.53.10	1444	19.2	-0.6	64	12	14	0.0E+00
10.53.20	1471	19.0	-1.1	62	13	13	0.0E+00
10.53.30	1500	18.8	-1.3	65	13	13	0.0E+00
10.53.40	1526	18.5	-1.4	69	15	12	0.0E+00
10.53.50	1553	18.2	2.6	63	13	12	0.0E+00
10.54.00	1581	17.8	9.7	55	12	13	0.0E+00
10.54.10	1613	17.7	7.2	47	12	13	0.0E+00
10.54.20	1642	17.4	7.1	53	12	13	0.0E+00
10.54.30	1670	17.3	5.9	54	13	10	0.0E+00
10.54.40	1700	17.2	5.1	56	14	10	0.0E+00
10.54.50	1727	17.0	4.6	60	12	11	0.0E+00
10.55.00	1748	16.7	8.4	55	13	11	0.0E+00
10.55.10	1771	16.6	8.6	46	12	13	0.0E+00
10.55.20	1796	16.4	7.8	50	12	12	0.0E+00
10.55.30	1823	16.3	7.8	47	12	12	0.0E+00
10.55.40	1848	16.4	5.0	46	11	11	0.0E+00
10.55.50	1874	16.0	6.0	50	12	12	0.0E+00
10.56.00	1903	15.9	5.2	45	12	12	0.0E+00
10.56.10	1932	15.9	1.4	54	11	12	0.0E+00
10.56.20	1936	16.0	-4.5	61	12	12	0.0E+00
10.56.30	1901	16.4	-5.6	68	12	13	0.0E+00
10.56.40	1867	16.6	-4.5	67	12	13	0.0E+00
10.56.50	1840	16.5	-0.3	62	10	13	0.0E+00
10.57.00	1816	16.6	1.3	67	11	13	0.0E+00
10.57.10	1794	16.6	4.6	60	12	14	0.0E+00
10.57.20	1772	16.7	5.1	57	11	15	0.0E+00
10.57.30	1745	17.1	3.8	56	12	14	0.0E+00
10.57.40	1719	17.0	7.1	59	12	13	0.0E+00
10.57.50	1699	17.1	8.2	51	11	13	1.8E-06
10.58.00	1677	17.5	6.9	54	11	13	2.8E-06
10.58.10	1640	17.9	6.9	55	11	13	0.0E+00
10.58.20	1596	18.2	6.9	52	12	14	0.0E+00
10.58.30	1560	18.6	2.9	55	12	14	0.0E+00
10.58.40	1526	19.0	-1.1	64	11	14	0.0E+00
10.58.50	1490	19.3	0.0	67	12	15	0.0E+00
10.59.00	1458	19.5	-0.5	60	11	14	0.0E+00
10.59.10	1427	19.5	-0.1	69	12	13	0.0E+00
10.59.20	1400	19.7	1.4	64	12	13	0.0E+00
10.59.30	1370	19.3	5.8	62	13	13	0.0E+00
10.59.40	1335	19.6	6.6	54	12	12	0.0E+00

TABLE 42. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.59.50	1299	19.9	6.6	54	14	13	0.0E+00
11.00.00	1275	19.8	7.7	49	13	13	0.0E+00
11.00.10	1258	19.8	7.5	49	11	12	0.0E+00
11.00.20	1238	19.8	7.3	48	10	12	0.0E+00
11.00.30	1219	19.6	8.3	50	11	13	0.0E+00
11.00.40	1192	19.9	8.1	52	11	12	0.0E+00
11.00.50	1168	19.8	10.8	52	11	13	0.0E+00
11.01.00	1148	19.7	11.7	49	12	14	0.0E+00
11.01.10	1121	19.8	12.1	45	11	13	4.0E-07
11.01.20	1092	20.1	11.5	49	12	12	2.0E-06
11.01.30	1067	20.4	10.5	46	11	12	2.2E-06
11.01.40	1038	20.4	10.8	49	12	13	6.4E-06
11.01.50	999	20.5	11.4	52	14	15	1.4E-05
11.02.00	958	20.4	15.0	50	13	15	2.4E-05
11.02.10	916	20.8	15.2	45	11	14	6.7E-05
11.02.20	878	20.9	16.8	39	12	14	1.1E-04
11.02.30	852	20.9	17.8	42	12	14	1.3E-04
11.02.40	811	21.5	17.1	45	13	14	9.6E-05
11.02.50	778	22.0	15.8	37	12	14	8.0E-05
11.03.00	758	22.2	15.0	53	11	14	7.1E-05
11.03.10	734	22.2	16.8	53	12	14	3.7E-05
11.03.20	704	22.4	17.1	47	13	13	2.3E-05
11.03.30	666	22.5	19.0	39	13	12	2.3E-05
11.03.40	632	22.8	19.0	41	11	13	2.0E-05
11.03.50	596	23.3	17.6	42	11	13	1.3E-05
11.04.00	551	23.7	18.5	49	15	15	9.2E-06
11.04.10	519	23.9	18.5	37	14	15	5.4E-06
11.04.20	490	24.3	17.6	40	13	13	6.8E-06
11.04.30	448	24.7	17.8	44	14	14	4.4E-06
11.04.40	415	25.0	17.6	43	15	13	7.0E-06
11.04.50	388	25.5	16.5	44	14	12	9.6E-06
11.05.00	370	25.4	18.4	37	15	12	7.6E-06
11.05.10	350	25.3	18.8	43	14	13	8.4E-06
11.05.20	341	25.4	19.0	47	14	14	9.6E-06
11.05.30	303	24.9	18.9	14	12	13	1.3E-05
11.05.40	297	25.8	18.2	40	11	15	1.7E-05
11.05.50	276	26.1	18.7	42	14	14	2.4E-05
11.06.00	256	26.2	19.3	50	12	11	3.7E-05
11.06.10	223	26.5	19.3	38	14	11	5.5E-05
11.06.20	182	27.1	19.5	49	15	12	6.9E-05
11.06.30	143	27.6	20.0	42	14	12	4.4E-05
11.06.40	116	28.0	20.0	41	13	13	2.1E-05

TABLE 43 - AIRCRAFT 1 AND TETHERED BALLOON COMPARISON FLIGHT AT  
WALLOPS FLIGHT CENTER, AUGUST 29, 1979

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.56.20	186	24.9	21.1	34	12	11	6.8E-06
11.56.30	224	24.5	21.1	30	11	11	5.8E-06
11.56.40	253	24.3	21.1	33	12	11	6.0E-06
11.56.50	280	24.1	21.0	34	13	12	6.2E-06
11.57.00	306	23.9	20.8	39	15	12	6.2E-06
11.57.10	331	23.7	20.6	35	13	13	8.2E-06
11.57.20	365	23.4	20.6	33	13	11	1.0E-05
11.57.30	400	23.2	20.3	33	11	12	9.8E-06
11.57.40	428	22.9	20.0	36	12	11	9.8E-06
11.57.50	456	22.8	19.0	37	12	10	7.6E-06
11.58.00	484	22.7	18.0	36	10	11	7.0E-06
11.58.10	518	22.6	17.2	37	10	11	7.0E-06
11.58.20	551	22.4	15.9	39	10	9	5.8E-06
11.58.30	583	22.3	14.7	46	11	9	5.4E-06
11.58.40	616	22.2	13.5	43	11	9	5.8E-06
11.58.50	647	22.1	12.5	45	9	9	5.2E-06
11.59.00	674	22.2	11.5	41	10	12	3.2E-06
11.59.10	698	22.2	10.7	48	13	11	0.0E+00
11.59.20	724	22.1	9.7	47	12	12	4.0E-06
11.59.30	751	22.1	9.5	52	11	11	1.2E-06
11.59.40	778	21.8	12.1	45	13	12	1.4E-06
11.59.50	808	21.5	13.5	41	11	11	4.4E-06
12.00.00	838	21.2	14.2	37	11	11	1.4E-06
12.00.10	869	20.9	14.3	36	9	9	2.8E-06
12.00.20	897	20.8	13.4	44	9	8	2.4E-06
12.00.30	927	20.7	13.5	40	8	8	2.0E-06
12.00.40	958	20.6	13.1	42	9	8	1.8E-06
12.00.50	988	20.6	11.5	44	11	9	5.2E-06
12.01.00	1019	20.5	11.1	42	13	11	4.2E-06
12.01.10	1047	20.4	13.0	42	11	12	3.2E-06
12.01.20	1074	20.6	10.6	38	11	13	4.0E-06
12.01.30	1104	20.6	9.3	48	10	13	2.8E-06
12.01.40	1131	20.5	8.6	45	12	14	1.2E-06
12.01.50	1157	20.4	7.0	51	10	12	2.2E-06
12.02.00	1183	20.3	6.4	50	10	11	2.0E-06
12.02.10	1210	20.2	7.3	51	10	11	2.6E-06
12.02.20	1240	19.9	8.1	49	10	13	3.6E-06
12.02.30	1272	19.4	10.0	55	11	13	6.6E-06
12.02.40	1298	18.9	14.5	41	11	9	3.8E-06
12.02.50	1322	18.8	13.9	42	10	8	1.6E-06
12.03.00	1350	18.6	14.0	43	8	9	0.0E+00
12.03.10	1375	18.4	13.9	41	9	10	1.0E-06

TABLE 43. - Continued

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
12.03.20	1401	18.2	13.6	37	9	11	2.2E-06
12.03.30	1428	18.1	13.2	42	10	10	0.0E+00
12.03.40	1453	18.0	11.8	43	9	9	0.0E+00
12.03.50	1478	17.9	10.9	43	10	9	0.0E+00
12.04.00	1505	17.7	10.6	45	10	9	1.0E-06
12.04.10	1532	17.6	11.3	46	9	7	1.0E-06
12.04.20	1557	17.3	13.2	41	11	6	0.0E+00
12.04.30	1585	17.2	12.8	45	12	8	0.0E+00
12.04.40	1608	17.2	12.4	44	12	8	0.0E+00
12.04.50	1632	17.1	12.4	45	10	7	0.0E+00
12.05.00	1661	17.0	12.1	41	9	6	8.0E-07
12.05.10	1690	16.9	12.0	43	10	6	0.0E+00
12.05.20	1715	16.7	11.7	44	10	6	0.0E+00
12.05.30	1741	16.6	11.6	41	9	6	1.0E-06
12.05.40	1772	16.4	10.4	45	11	6	0.0E+00
12.05.50	1803	16.3	9.4	46	8	8	0.0E+00
12.06.00	1831	16.2	9.1	49	10	9	0.0E+00
12.06.10	1857	16.1	8.5	43	9	9	0.0E+00
12.06.20	1885	16.0	8.2	45	9	10	0.0E+00
12.06.30	1907	15.9	7.9	41	9	10	1.8E-06
12.06.40	1919	15.8	8.0	44	9	10	2.2E-06
12.06.50	1929	15.9	6.6	44	8	8	2.0E-06
12.07.00	1930	15.9	5.8	47	8	7	0.0E+00
12.07.10	1912	15.9	8.2	50	10	6	0.0E+00
12.07.20	1892	15.9	9.2	49	9	8	0.0E+00
12.07.30	1857	15.8	11.3	47	7	10	4.0E-07
12.07.40	1822	16.0	11.4	45	9	10	2.4E-06
12.07.50	1788	16.2	11.7	42	10	10	4.0E-07
12.08.00	1756	16.5	11.8	49	13	10	2.0E-70
12.08.10	1721	16.7	12.0	45	11	9	0.0E+00
12.08.20	1689	17.0	12.2	47	11	11	0.0E+00
12.08.30	1662	17.2	12.2	48	10	10	2.0E-07
12.08.40	1640	17.2	12.5	45	11	8	1.0E-06
12.08.50	1618	17.2	13.0	37	9	7	0.0E+00
12.09.00	1586	17.4	13.0	46	9	6	2.4E-06
12.09.10	1546	17.5	13.2	42	10	7	0.0E+00
12.09.20	1528	17.6	13.3	43	9	7	0.0E+00
12.09.30	1491	18.0	13.5	43	7	6	0.0E+00
12.09.40	1453	18.2	13.6	43	7	7	8.0E-07
12.09.50	1416	18.6	13.7	42	9	7	2.0E-06
12.10.00	1383	19.0	13.0	42	10	8	0.0E+00
12.10.10	1355	19.2	12.3	44	9	10	2.4E-06

TABLE 43. - Concluded

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
12.10.20	1328	19.2	13.8	40	10	9	3.6E-06
12.10.30	1298	19.3	13.9	39	9	8	1.2E-06
12.10.40	1268	19.8	10.1	42	7	7	0.0E+00
12.10.50	1238	20.2	7.5	46	7	10	0.0E+00
12.11.00	1196	20.6	3.3	59	8	13	0.0E+00
12.11.10	1149	21.0	3.3	63	9	13	0.0E+00
12.11.20	1103	21.4	4.9	53	9	13	4.0E-07
12.11.30	1065	21.4	8.4	53	9	13	1.0E-06
12.11.40	1027	21.5	8.6	43	8	11	2.6E-06
12.11.50	993	21.4	10.8	48	7	9	0.0E+00
12.12.00	959	21.6	7.8	47	8	9	0.0E+00
12.12.10	925	21.6	9.8	49	9	10	6.0E-07
12.12.20	892	21.7	11.6	45	9	9	2.4E-06
12.12.30	857	21.9	11.5	47	9	10	1.8E-06
12.12.40	820	22.3	9.3	45	8	11	1.8E-06
12.12.50	779	22.7	8.5	46	9	10	2.8E-06
12.13.00	733	22.8	9.0	47	9	10	3.6E-06
12.13.10	692	22.8	10.4	48	10	11	4.0E-07
12.13.20	659	22.7	12.3	43	10	10	2.4E-06
12.13.30	626	22.7	13.4	47	7	11	5.4E-06
12.13.40	594	22.8	14.6	39	9	12	2.8E-06
12.13.50	564	22.8	16.1	40	7	12	4.6E-06
12.14.00	530	23.0	16.6	34	8	12	4.4E-06
12.14.10	496	23.1	17.9	39	8	12	6.2E-06
12.14.20	464	23.2	18.3	32	8	11	7.2E-06
12.14.30	435	23.4	18.5	36	10	11	4.6E-06
12.14.40	407	23.4	19.5	27	11	10	6.6E-06
12.14.50	378	23.5	20.2	34	10	9	7.4E-06
12.15.00	348	23.7	20.5	32	9	9	8.2E-06
12.15.10	316	23.9	20.8	34	9	8	6.6E-06
12.15.20	280	24.2	20.8	28	9	9	6.8E-06
12.15.30	241	24.5	21.1	37	9	8	7.2E-06
12.15.40	203	24.8	21.3	34	9	9	7.0E-06
12.15.50	164	25.1	21.2	31	9	8	8.8E-06
12.16.00	137	25.1	21.3	35	8	7	7.6E-06
12.16.10	116	25.0	21.7	42	11	6	9.4E-06
12.16.20	106	24.9	22.0	35	9	8	1.1E-05
12.16.30	101	24.8	22.0	34	9	8	1.1E-05
12.16.40	88	24.8	22.1	42	10	10	1.5E-05

TABLE 44. - AIRCRAFT 1 AND CHESAPEAKE LIGHT SURFACE STATION  
COMPARISON FLIGHT, AUGUST 15, 1979

A. First Pass

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
14.45.00	101	21.0	10.8	78	15	17	6.8E-05
14.45.10	63	21.4	11.2	82	16	16	6.9E-05
14.45.20	33	21.7	11.1	80	14	18	6.7E-05
14.45.30	50	21.4	11.3	79	16	18	6.7E-05
14.45.40	100	20.8	11.2	78	17	18	6.7E-05
14.45.50	149	20.2	11.3	78	16	17	7.1E-05

B. Second Pass

14.48.10	102	20.7	11.0	78	15	18	7.0E-05
14.48.20	66	21.2	11.9	76	15	19	6.7E-05
14.48.30	36	21.6	11.0	76	18	18	6.8E-05
14.48.40	25	21.7	10.9	78	16	19	7.0E-05
14.48.50	36	21.5	10.9	81	16	19	7.2E-05
14.49.00	87	20.8	10.6	78	14	19	7.2E-05

C. Third Pass

14.52.50	35	21.5	10.6	81	15	17	6.7E-05
14.53.00	20	21.7	11.1	80	15	16	6.7E-05
14.53.10	1	22.1	11.4	78	15	17	6.6E-05
14.53.20	-5	22.3	11.5	81	16	17	6.5E-05
14.53.30	18	21.9	12.0	77	15	18	6.7E-05
14.53.40	79	21.0	11.6	77	17	19	6.5E-05



TABLE 45. - AIRCRAFT 1 AND CHESAPEAKE LIGHT SURFACE STATION  
COMPARISON FLIGHT, AUGUST 29, 1979

A. First Pass

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
11.22.30	26	26.2	21.9	27	12	12	6.8E-06
11.22.40	-2	26.3	22.1	32	12	11	1.0E-05
11.22.50	-20	26.2	22.7	34	13	12	1.1E-05
11.23.00	-19	26.1	23.0	43	15	12	1.0E-05
11.23.10	3	26.0	22.7	44	13	11	9.8E-06
11.23.20	44	26.0	21.9	36	11	11	6.2E-06

B. Second Pass

11.26.30	8	26.0	22.5	37	12	15	1.2E-05
11.26.40	-7	26.0	22.7	39	12	15	1.2E-05
11.26.50	-12	25.8	22.9	36	12	14	1.2E-05
11.27.00	-22	25.7	23.1	38	12	14	1.1E-05
11.27.10	-22	25.8	23.1	35	12	14	1.4E-05
11.27.20	-14	25.7	22.9	33	13	15	1.5E-05

C. Third Pass

11.30.40	-5	26.1	22.7	37	11	11	9.6E-06
11.30.50	-20	26.1	22.9	38	12	10	9.0E-06
11.31.00	-24	26.1	23.0	39	13	12	1.0E-05
11.31.10	-16	26.0	23.1	30	14	13	1.1E-05
11.31.20	-18	26.0	23.1	40	12	14	8.4E-06
11.31.30	5	26.0	22.9	35	13	12	1.1E-05

TABLE 46. - AIRCRAFT 1 AND NAVY COMMUNICATIONS CENTER SURFACE  
STATION COMPARISON FLIGHT: AUGUST 15, 1979

A. First Pass

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.17.10	127	23.8	11.4	87	14	18	1.0E-04
15.17.20	97	24.0	10.8	85	17	17	1.0E-04
15.17.30	77	24.0	10.5	89	18	17	1.0E-04
15.17.40	66	24.0	10.5	89	17	17	9.8E-05
15.17.50	59	24.3	10.8	90	16	18	1.0E-04
15.18.00	93	23.9	10.6	88	16	19	9.9E-05

B. Second Pass

15.20.40	117	23.7	10.3	86	17	19	9.7E-05
15.20.50	95	24.1	10.8	87	15	17	9.7E-05
15.21.00	89	24.1	10.8	87	16	18	1.0E-04
15.21.10	80	24.1	10.8	89	17	17	1.0E-04
15.21.20	77	24.2	10.9	89	16	17	1.0E-04
15.21.30	117	23.8	11.0	90	15	19	9.9E-05

C. Third Pass

15.25.00	77	24.4	10.9	88	14	19	9.3E-05
15.25.10	69	24.3	10.8	85	15	17	9.4E-05
15.25.20	69	24.0	10.6	82	16	17	9.8E-05
15.25.30	73	24.1	10.7	84	15	19	1.0E-04
15.25.40	117	23.6	10.5	86	15	18	9.4E-05
15.25.50	174	22.8	10.2	88	15	17	9.5E-05

TABLE 47. - AIRCRAFT 1 AND NAVY COMMUNICATIONS CENTER SURFACE  
STATION COMPARISON FLIGHT: AUGUST 29, 1979

A. First Pass

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
10.35.40	49	28.2	19.9	43	14	15	7.8E-06
10.35.50	53	28.1	18.7	38	16	14	9.2E-06
10.36.00	50	28.1	18.7	41	15	15	1.0E-05
10.36.10	58	27.9	19.4	46	14	14	1.2E-05
10.36.20	66	27.9	19.7	46	14	14	2.1E-05
10.36.30	126	26.9	18.9	40	14	13	3.5E-05

B. Second Pass

10.38.50	76	27.8	18.6	38	14	14	5.5E-05
10.39.00	56	28.2	19.2	40	14	14	3.4E-05
10.39.10	42	28.2	18.8	42	15	14	1.9E-05
10.39.20	38	28.2	19.1	42	14	14	1.1E-05
10.39.30	45	28.1	19.6	36	15	13	8.6E-06
10.39.40	52	28.3	19.6	40	15	13	1.0E-05

C. Third Pass

10.42.10	97	27.6	19.2	41	14	18	1.0E-05
10.42.20	70	27.9	19.4	41	13	17	1.2E-05
10.42.30	60	28.0	19.5	43	14	17	8.0E-06
10.42.40	67	28.1	19.2	39	15	16	1.0E-05
10.42.50	67	28.2	17.8	43	14	16	1.3E-05
10.43.00	77	28.0	19.0	41	14	16	1.1E-05

TABLE 48. - AIRCRAFT 1 AND NORFOLK NAVAL AIR STATION SURFACE  
STATION COMPARISON FLIGHT: AUGUST 15, 1979

A. First Pass

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.39.20	12	23.5	12.6	12	19	25	8.4E-05
15.39.30	-9	24.3	13.1	-9	20	26	8.4E-05
15.39.40	-18	24.3	13.1	-18	18	25	8.2E-05
15.39.50	-18	23.9	12.9	-18	17	24	7.9E-05
15.40.00	-13	23.5	13.3	-13	16	24	7.8E-05
15.40.10	20	23.0	13.0	20	15	23	7.3E-05

B. Second Pass

15.44.20	18	23.5	12.7	73	19	26	8.8E-05
15.44.30	-4	23.4	12.3	72	17	26	8.5E-05
15.44.40	-16	23.7	12.9	80	16	24	8.0E-05
15.44.50	-19	24.1	13.0	72	17	24	7.7E-05
15.45.00	-16	23.5	13.1	73	16	24	7.3E-05
15.45.10	18	22.9	12.5	73	15	22	8.0E-05

C. Third Pass

15.49.20	31	23.3	12.8	72	16	32	7.9E-05
15.49.30	3	23.6	12.9	76	15	28	7.9E-05
15.49.40	-15	23.9	12.7	74	17	26	8.5E-05
15.49.50	-18	24.1	12.6	73	18	25	8.3E-05
15.50.00	-18	24.1	13.3	74	15	25	7.8E-05
15.50.10	1	23.4	12.6	72	16	25	7.9E-05

TABLE 49. - AIRCRAFT 1 AND NASA LANGLEY RESEARCH CENTER SURFACE  
STATION COMPARISON FLIGHT: AUGUST 15, 1979

A. First Pass

TIME (EDT)	Z (m)	T (C)	DP (C)	O3 (ppb)	NO (ppb)	NOX (ppb)	B(SCAT) (m <sup>-1</sup> )
15.58.20	-3	24.3	12.1	76	15	19	9.5E-05
15.58.30	-16	24.8	12.6	78	18	22	9.7E-05
15.58.40	-15	24.6	12.5	78	18	23	9.5E-05
15.58.50	-17	24.6	12.7	77	19	22	9.5E-05
15.59.00	-16	24.7	12.3	80	19	20	9.5E-05
15.59.10	7	24.2	12.0	82	18	20	9.6E-05

B. Second Pass

16.03.30	21	24.0	11.9	82	19	21	8.7E-05
16.03.40	-11	24.9	12.4	83	17	21	9.1E-05
16.03.50	-17	24.7	12.6	78	17	21	9.4E-05
16.04.00	-18	25.0	12.7	78	16	21	9.5E-05
16.04.10	-9	24.5	12.0	79	14	21	9.7E-05
16.04.20	53	23.4	11.3	80	13	20	9.9E-05

C. Third Pass

16.07.00	-10	24.3	12.1	76	19	21	9.6E-05
16.07.10	-17	24.6	12.3	79	17	22	9.8E-05
16.07.20	-18	24.9	12.8	76	17	22	9.5E-05
16.07.30	-18	25.0	12.4	75	16	20	1.0E-04
16.07.40	-8	24.6	12.1	77	15	19	1.0E-04
16.07.50	27	24.1	12.1	78	15	18	9.5E-05

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16. Abstract <p>The report presents tabulated listings of air-quality data measured during the 1979 Southeastern Virginia Urban Plume Study conducted during August 1979. The data reported are these measured onboard the NASA Langley chartered Cessna aircraft. Data include ozone, nitrogen oxides, light scattering coefficient, temperature, dewpoint, and aircraft altitude. Volume I of the report discusses the experiments performed during the August field program, meteorological conditions, aircraft instrumentation, and operational scenarios including flight plans of all aircraft participating in the program. A summary of the Langley Cessna aircraft data is also presented in Volume I.</p>					
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